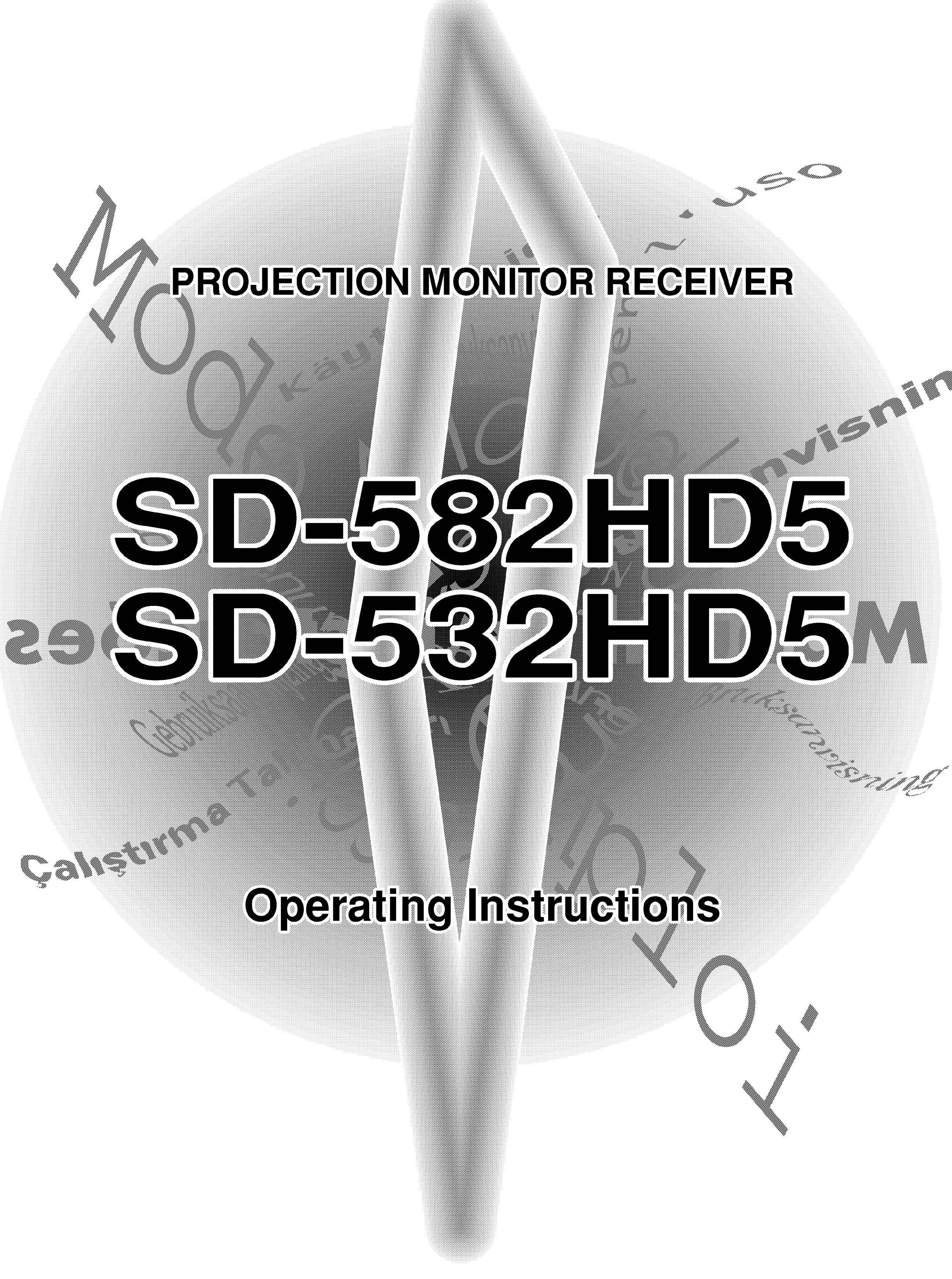
Pioneer



PROJECTION MONITOR RECEIVER

SD-582HD5
SD-532HD5

Operating Instructions

FEATURES

Dual System Component Input for NTSC/ Progressive

Connection to a DVD player with a component output terminal makes possible high-picture-quality display superior to that of S-VIDEO terminal connection. Also handles high resolution component input (1080i, 480p), which will function as an interface for high-quality images in future.

DUAL TUNER (SPLIT screen and SEARCH screen function)

Two TV tuners are provided, making it possible to split the screen vertically in two and display moving images simultaneously on them. In addition, the channel search function makes it possible to check, etc., on the program in the back. Its convenience will be limited only by your imagination.

GLOW-IN-THE-DARK remote control

Makes it easier to operate the TV and other components in low-light environments.

Lens System for HDTV

Adoption of a lens system for high-resolution HDTV that faithfully reproduces HDTV 1080i signals allows highly color-saturated images to be displayed at high resolution.

Whole Screen IR Receiver

The remote control sensor is installed behind the screen, allowing you to operate this monitor with the remote control unit in those installations where only the screen is revealed.

3D Y/C Separation Circuit

This three-dimensional Y/C separation circuit reproduces clearer picture quality.

Multi-Point Convergence System

Thanks to new convergence system digital technology, not only can the center of the screen be adjusted, so can an amazing 72 other points (full mode) across the viewing area. This makes it possible to display clear images with no color distortion around the entire screen.
The adjustment is easily done using the remote control.

Program Block (V. CHIP)

You can block selected programs based on the established rating system for television and movies.
The TV Parental Guidelines are used to rate television programming: <TV-Y>, <TV-Y7>, <TV-G>, <TV-PG>, <TV-14> and <TV-MA>.
The Motion Picture Association of America (MPAA) guidelines are used to rate movies: <G>, <PG>, <PG-13>, <R>, <NC-17>, <X> and <NR>.
In order to block programming you feel is inappropriate, rating limits can be set on both systems using the remote control and a password.

Read and understand these 'Operating Instructions' before operating your Monitor. Follow the 'IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS' section and all the warnings on the product.

Thank you for purchasing this PIONEER Projection Monitor Receiver.
Please read the precautionary instructions enclosed with these operating instructions please do so before proceeding.
After learning how to operate the Projection Monitor, be sure to keep this manual handy for future reference.

IMPORTANT NOTICE

The model number and the serial number of this Projection Monitor are located on the rear panel.
Please write the serial number on the enclosed warranty card and keep it in a safe place for future reference.

In this manual, we refer to the 'PROJECTION MONITOR RECEIVER', as the 'Projection Monitor' or the 'Monitor'.

Note on the SPLIT screen and SEARCH screen functions
The SPLIT screen and SEARCH screen functions provided in this monitor are intended for private viewing only.
Use of the above video processing functions for profitmaking purpose or for public viewing (clubs, hotels, etc.) without prior authorization from the transmitter and/or owner of the video program (s) may be an infringement of existing copyright laws.

WARNING:

TO REDUCE THE RISK OF THE FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO WET LOCATIONS.

CAUTION:

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

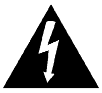
ATTENTION:

POUR EVITER UNE DECHARGE ELECTRIQUE, NE PAS UTILISER CETTE PRISE (POLARISEE) AVEC UNE RALLONGE, UNE PRISE OU UNE AUTRE SORTIE A MOINS QUE LES LAMES PUISSENT ETRE COMPLETEMENT INTRODUITES ET NE SOIENT PAS EXPOSEES.

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground should be connected to the grounding system of the building, as close to the point of cable entry as practical.

Information to User
Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

IMPORTANT



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

NOTICE ON ADVERSE EFFECTS ON THE TV TUBE

When playing TV games, operating computers or displaying still pictures with your Monitor, be sure to keep in mind the following points;

1. **Select the 'GAME' mode. (Refer to page 46 of the Operating Instructions)**
2. **Do not use your Monitor for more than two hours.**
3. **Watch normal TV broadcast's for three times longer than the time of playing TV games, operating computers or displaying still pictures.**

Still patterns can scar the Monitor causing performance damage to the CRT.

The following symbols are found in this manual and on the labels on the product. They alert the operators and service personnel of this equipment to potentially dangerous conditions.

⃠ This symbol indicates an action that is prohibited.

⚠ WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

⚠ CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or property damage.

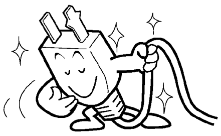
⚠ WARNING

IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS

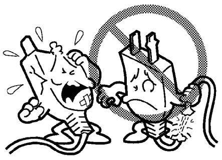
- Read all of these instructions.
- Keep these instructions for later use.
- Follow all warnings and instructions marked on the Monitor.

FOR YOUR PERSONAL SAFETY

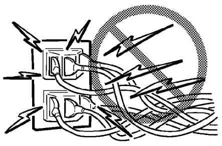
1. This Monitor is equipped with a polarized alternating current line plug (a plug having one blade wider than the other).
   This plug will fit into the power outlet only one way. This is a safety feature.
   If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



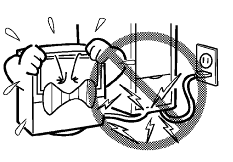
2. If the power cord or plug becomes damaged or frayed, unplug this Monitor from the wall outlet and refer to qualified service personnel for servicing.



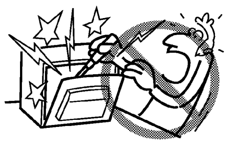
3. Do not overload wall outlets and extension cords as this can result in fire or electrical shock.



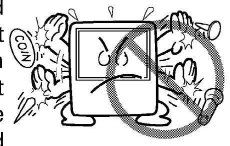
4. Do not allow anything to rest on or roll over the power cord, and do not place the Monitor where the power cord maybe subject to traffic or abuse. This may result in electrical or fire hazard.



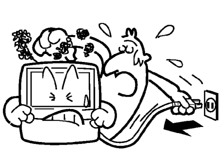
5. Do not attempt to service this Monitor yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified personnel.



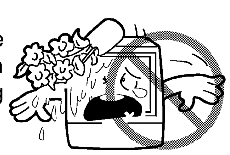
6. Never push the objects of any kind into this Monitor through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the Monitor.



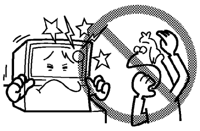
7. If the Monitor has been dropped or the cabinet has been damaged, unplug this Monitor from the wall outlet and refer to qualified service personnel for servicing.



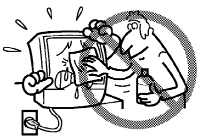
8. If liquid has been spilled into the Monitor, unplug the Monitor from the wall outlet and refer servicing to qualified service personnel.



9. Do not subject your Monitor to impact of any kind. Be particularly careful not to damage the screen surface.

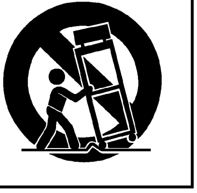


10. Unplug the Monitor from the wall outlet before cleaning. Do not use liquid cleaners or spray-type cleaners. Use a damp cloth for cleaning.



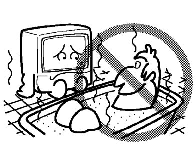
11-1. Do not place this Monitor on an unstable, uneven or an inclined location. The Monitor may overturn, causing serious injury (to a person), and serious damage to the appliance.

11-2. Be careful when placing the Monitor on a cart to move it. Quick stops, excessive force, and uneven surfaces may cause the Monitor and cart to overturn.

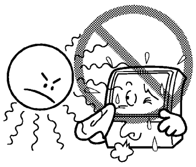


PROTECTION AND LOCATION OF YOUR PROJECTION MONITOR RECEIVER

12. • Do not use the Monitor near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.

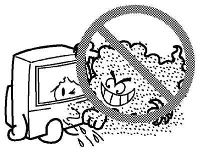


- Never expose the Monitor to rain water. If the Monitor system has been exposed to rain or water, unplug the Monitor from the wall outlet and refer servicing to qualified service personnel.

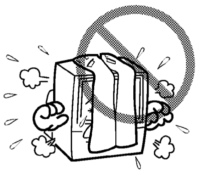


13. Choose a place where light (artificial or sunlight) does not shine directly on the screen.

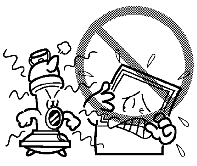
14. Avoid dusty places since the buildup of dust inside the Monitor's chassis may result in the malfunctioning, when high humidity persists.



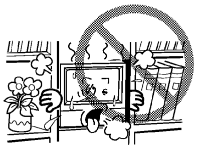
15. • The Monitor has slots, or openings in the cabinet for ventilation purposes to ensure the reliable operation of the Monitor, and to protect it from overheating. These openings must not be blocked or covered.



- Never cover the slots or openings with cloth or other material.
- Never block the bottom ventilation slots of the Monitor by placing it on a bed, sofa, rug, etc.



- Never place the Monitor near or over a radiator or heat register.
- Never place the Monitor in a built-in enclosure such as a bookcase, unless proper ventilation is provided.



16. If an outside antenna is connected through other equipment, be sure the antenna system is grounded so as to provide protection against voltage surges and built-up static charges. In the U. S. A., section 810 of the National Electrical Code, ANSI/NFPA 70, provides information on proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

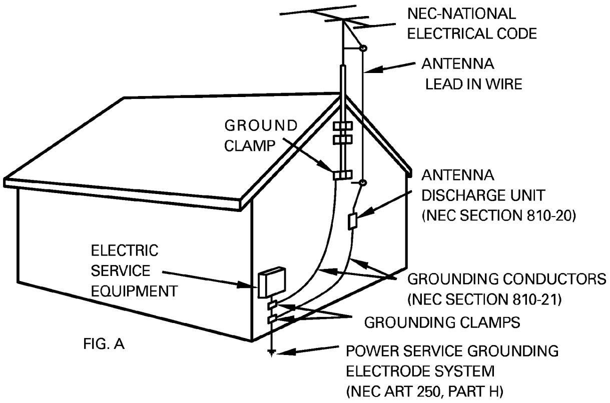
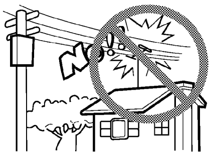

NEC-NATIONAL ELECTRICAL CODE
ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUNDING CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

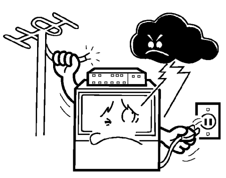
FIG. A

EXAMPLE OF ANTENNA GROUNDING IN NATIONAL ELECTRICAL CODE INSTRUCTIONS

17. An outdoor antenna system should not be located in the vicinity of overhead power lines/ electric lights or power circuits, or where it can fall onto such power lines or circuits. When installing an outdoor antenna system, extreme care should be taken to keep it from touching such power lines or circuits as contact with them might be fatal.

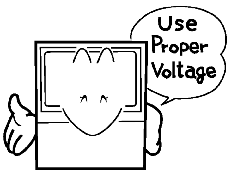


18. For added protection during a lightning storm, or when it is left unattended and unused for long periods of time, unplug the Monitor from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.

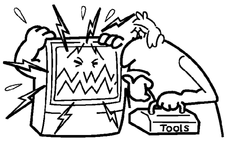


OPERATION OF YOUR PROJECTION MONITOR RECEIVER

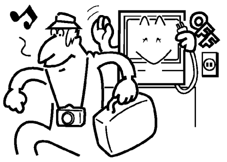
19. The Monitor should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your dealer or local power company.



20. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, unplug it from the wall outlet and refer to qualified service personnel for servicing. Do not adjust other controls than those described in this manual. Improper adjustments may result in damage and will often require extensive work by a qualified technician to restore the Monitor to normal operation.

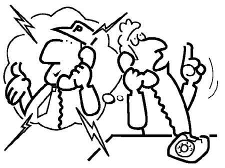


21. If your Monitor is to remain unused for a period of time, for instance, when you go on a holiday, turn the Monitor 'off' and unplug it from the wall outlet.



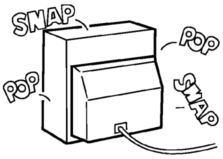
IF THE PROJECTION MONITOR RECEIVER DOES NOT OPERATE PROPERLY

22. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the Monitor and call your dealer or service technician.



23. Whenever the Monitor is damaged or fails, or there is a distinct change in performance, unplug the Monitor and have it checked by a professional service technician.

24. It is normal for some Monitor to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the Monitor and consult your dealer or service technician.

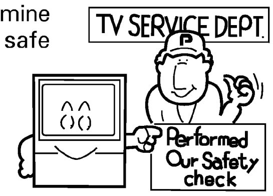


FOR SERVICING AND MODIFICATION

25. Do not use attachments not recommended by the Monitor's manufacturer as they may result in the risk of fire, electrical shock or injury to persons.

26. When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electrical shock, or injury.

27. Upon completion of any service or repairs to the Monitor, ask the service technician to perform routine safety checks to determine that the Monitor is in a safe operating condition.



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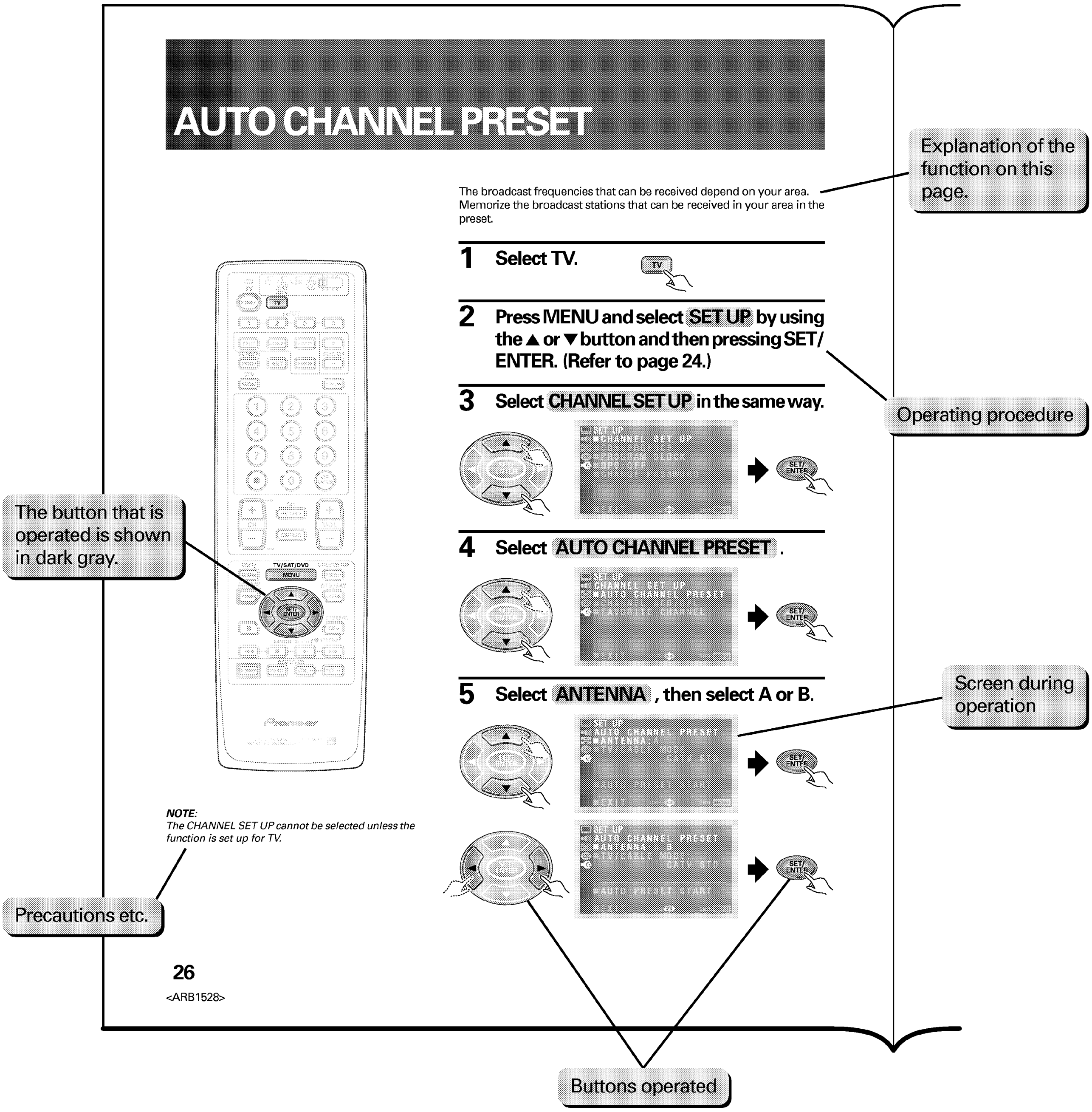
HOW TO READ THIS OPERATING INSTRUCTIONS

The following page is an example of the way that basic operating instructions are shown in this manual.
The explanation method varies from page to page.


Explanation of the function on this page.
Operating procedure
The button that is operated is shown in dark gray.
Screen during operation
Precautions etc.
Buttons operated

AUTO CHANNEL PRESET

The broadcast frequencies that can be received depend on your area. Memorize the broadcast stations that can be received in your area in the preset.

1 Select TV.

2 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ ENTER. (Refer to page 24.)

3 Select CHANNEL SET UP in the same way.

4 Select AUTO CHANNEL PRESET .

5 Select ANTENNA , then select A or B.

NOTE:
The CHANNEL SET UP cannot be selected unless the function is set up for TV.

26
<ARB1528>

INSTALLING THE MONITOR

INSTALLATION PRECAUTIONS:

- **Keep away from magnetic fields**
  The picture may be distorted if strong magnetic fields are nearby. External speakers should be set at least 2 feet (60cm) away from the Projection Monitor. Electric fans and other motor driven appliances and toys may also be sources of magnetism.
- Bright light or direct sunlight will dull the picture. Position the Projection Monitor so that the screen faces away from windows.
- While the Projection Monitor is operating, it is cooled by airflow through ventilation holes in the rear and bottom. Therefore, avoid placing it in a location where the cooling airflow is hindered (e. g. against a wall).
- Avoid places subject to extremely high temperatures or humidity, or to temperatures of 41°F (5°C) or lower. Also avoid dusty places.
- If setting the Projection Monitor on a floor made of soft material, make sure that the floor will not damaged by the weight of the Projection Monitor.
- Do not put the Projection Monitor on a surface that is tilted, unsteady or prone to shake or vibrate. A shaky or slanted platform is dangerous.
- Cover shiny surfaces (floor and walls) with non reflective materials (carpet, rugs, wallpaper, etc.).

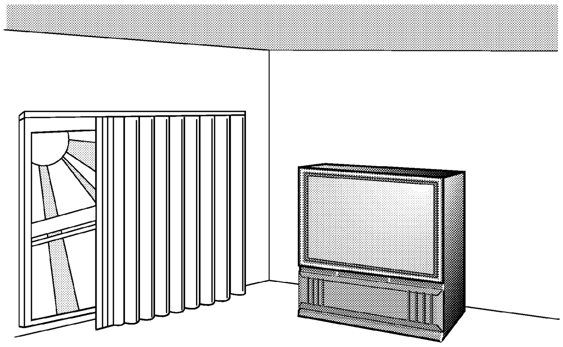
OPERATING PRECAUTIONS

Optimum viewing distance

10 to 23 feet is the range recommended for viewing comfort.

Adjust room illumination

Excessively bright or dim lighting may strain your eyes. Draw the curtains if necessary to shut out direct sunlight.



Condensation and picture blurring

- If the room temperature suddenly rises (or if the Projection Monitor is moved from a cool place to a hot place), condensation may form on the lenses resulting in picture distortion or color fading. If this occurs, simply wait a while (with the power switch ON) and the condensation will disappear.
- A gradual change in temperature can prevent condensation from forming.

CARE OF YOUR PROJECTION MONITOR

DO NOT:

- Do not use strong cleansers, solvents, polishes, or chemically treated cloths to clean the screen or cabinet.
- Do not touch or scratch the screen.
- Do not fasten or place rubber or vinyl items on the Monitor.
- Do not stick adhesive tape onto the Monitor.
- Do not put any object on the Monitor.

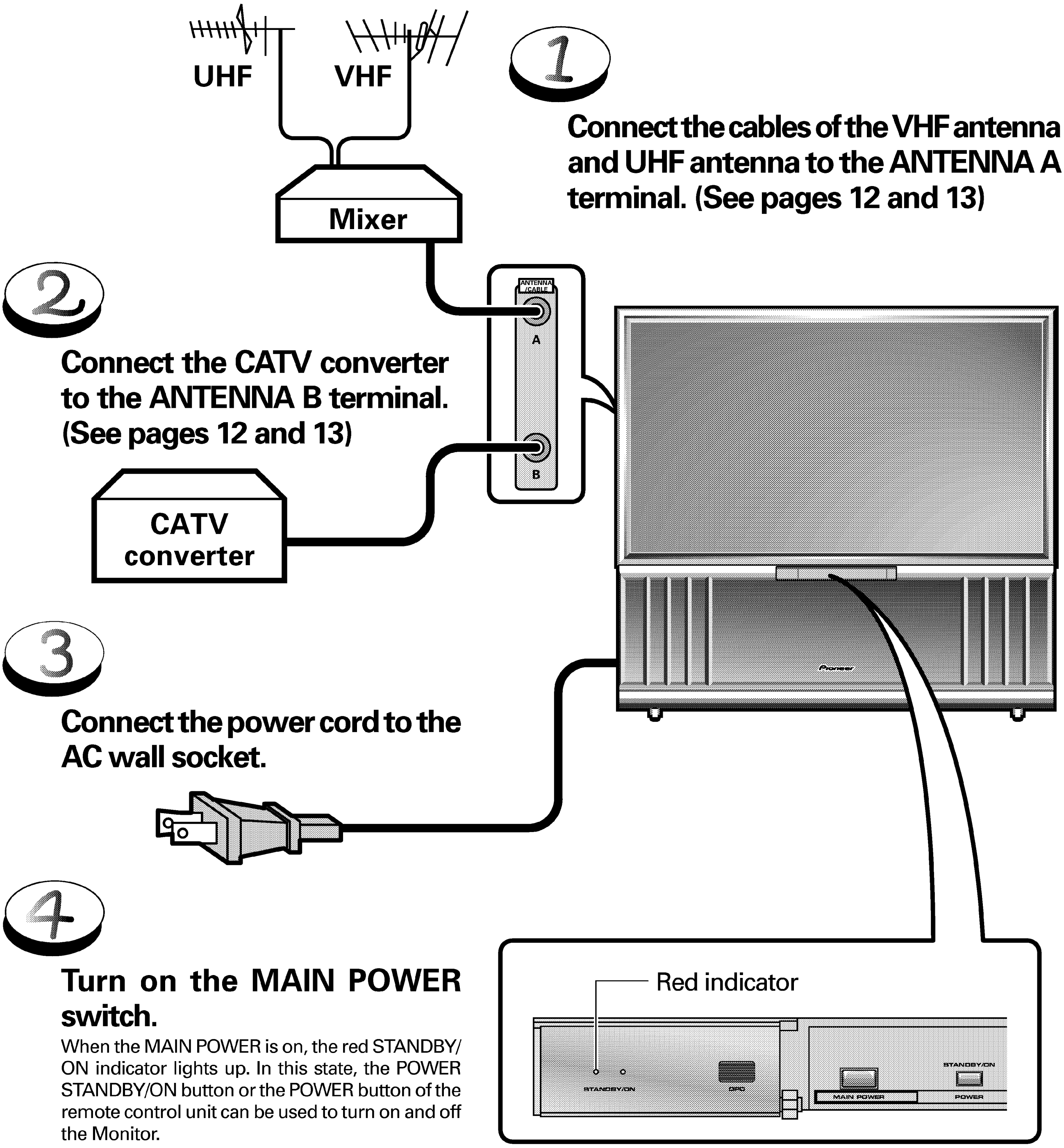
DO:

- Use a soft cloth to dust the screen and cabinet.
- Handle the screen with care to avoid scratches or damages.
- Ask your dealer or a Pioneer authorized service center to clean the interior of the monitor in your area if the picture brightness is too low even with the max. level. This may be caused by dust buildup inside.

BEFORE USE

Before you watch the TV, perform the following procedure.

This manual's illustrations shows model SD-582HD5.


UHF
VHF
Mixer
ANTENNA /CABLE
A
B
CATV converter
Pioneer
Red indicator
STANDBY/ON
DPC
MAIN POWER
STANDBY/ON
POWER

① Connect the cables of the VHF antenna and UHF antenna to the ANTENNA A terminal. (See pages 12 and 13)

② Connect the CATV converter to the ANTENNA B terminal. (See pages 12 and 13)

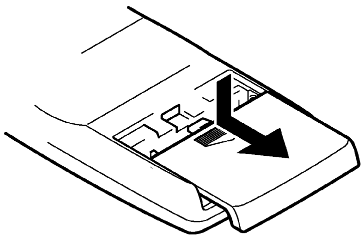
③ Connect the power cord to the AC wall socket.

④ Turn on the MAIN POWER switch.

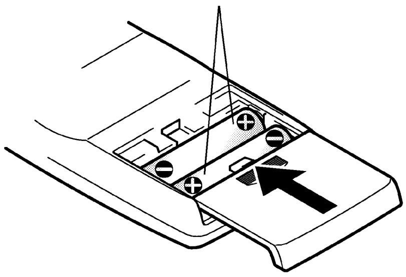
When the MAIN POWER is on, the red STANDBY/ON indicator lights up. In this state, the POWER STANDBY/ON button or the POWER button of the remote control unit can be used to turn on and off the Monitor.

⑤ Inserting batteries into the remote control unit

1.



2. Two DURACELL® 'AA' MN1500 1.5V ALKALINE dry cell batteries



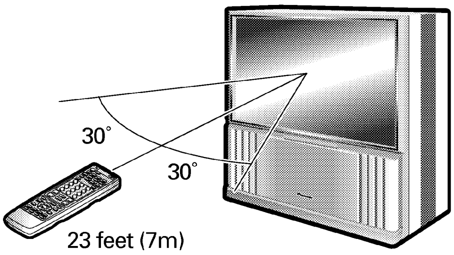
⚠ CAUTION

Incorrect use of batteries may lead to leakage or rupture. Always be sure to follow these instructions.

A.
Never mix new and used batteries.

B.
Batteries of the same size may have different voltages depending on their type. Do not mix different types of batteries.

Remote control operation range



- Furniture and other obstacles may block the infrared light beam so that it cannot reach the sensor behind the Projection Monitor's screen.
- Performance of the remote control unit is adversely affected by strong fluorescent light. Keep such lights away from the screen in particular.

Battery replacement

Replace the batteries when any of the following phenomena is observed.
- The transmitting LED does not blink even when the TV POWER button is pressed.
- The remote control operation range has reduced.

When replacing the batteries, prepare new batteries before removing the old batteries.
Be sure to close the battery case cover after battery replacement.

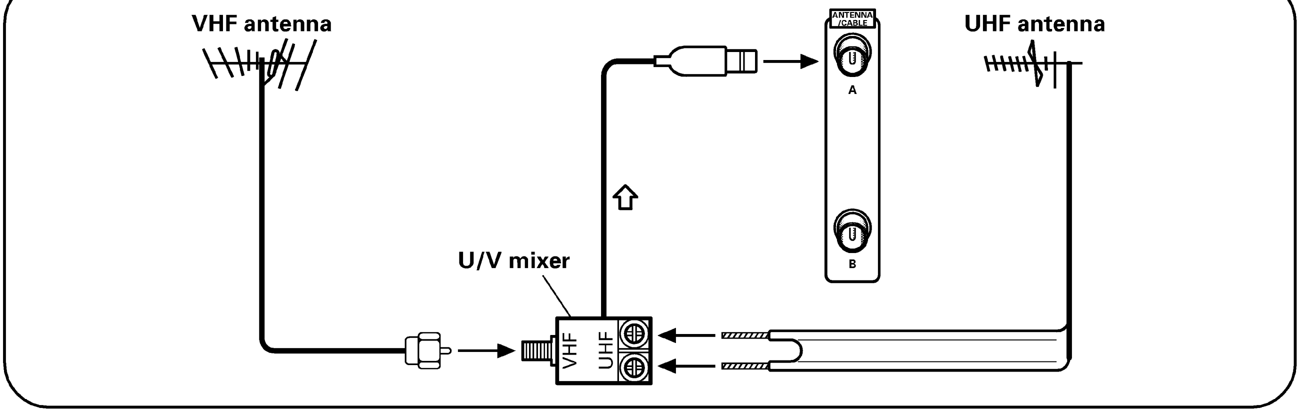
NOTE:
- *Even when batteries are removed, learned commands remain in memory for about 15 minutes.*
- *If you remove the batteries, and press a button, the memory is erased in a few seconds.*

CONNECTING THE ANTENNA

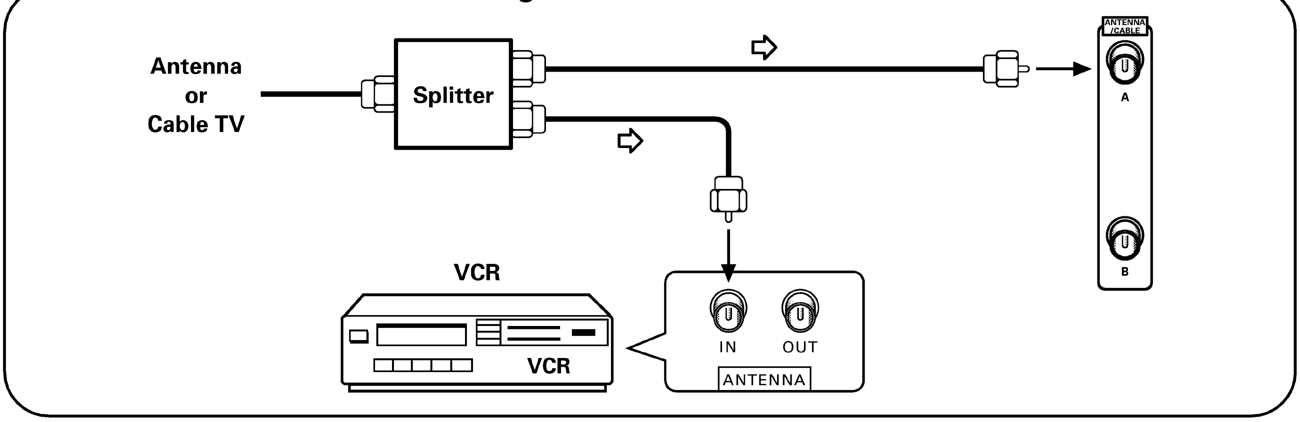
- A good color picture depends on a good TV signal. So does good multichannel (stereo program and SAP) sound. Ask your dealer for advice on how to install your external antenna to receive the best possible signal.
- If you subscribe to Cable TV or have a central antenna for your building, you will not need an external antenna.

Connect the TV signal source to your Monitor properly.
Use a 75-ohm coaxial cable with an F-type connector and connect the cable as shown in the illustration.

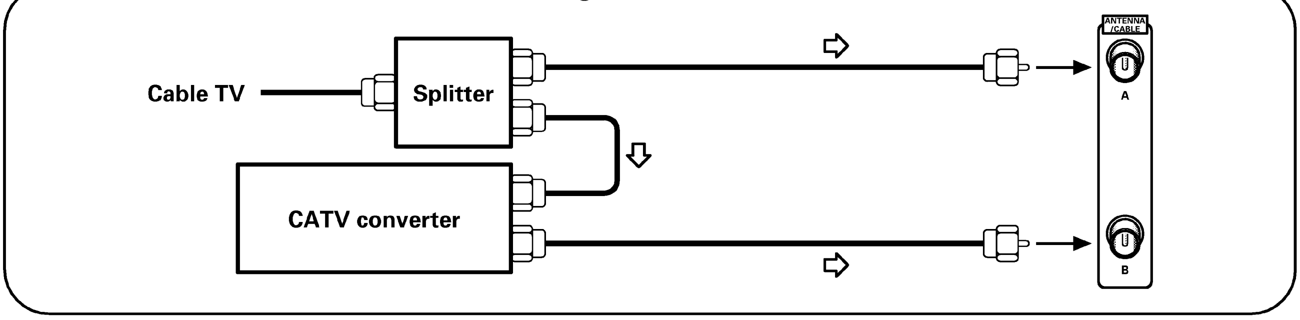
Connecting VHF/UHF antenna


VHF antenna
UHF antenna
ANTENNA /CABLE
A
B
U/V mixer
VHF
UHF

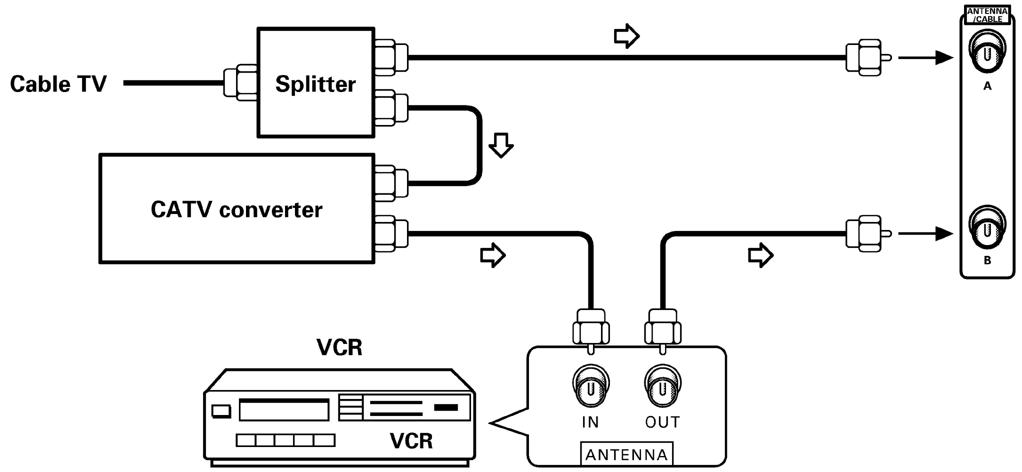
Connecting VHF/UHF antenna with VCR


Antenna or Cable TV
Splitter
ANTENNA /CABLE
A
B
VCR
VCR
IN
OUT
ANTENNA

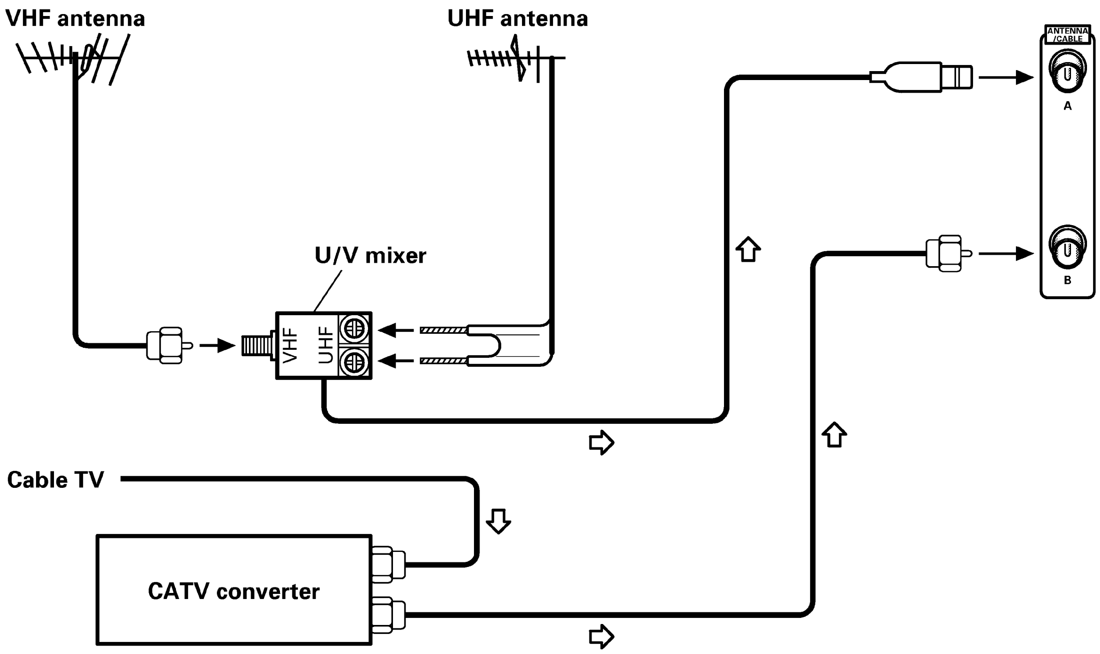
Connecting the CATV converter


Cable TV
Splitter
CATV converter
ANTENNA /CABLE
A
B

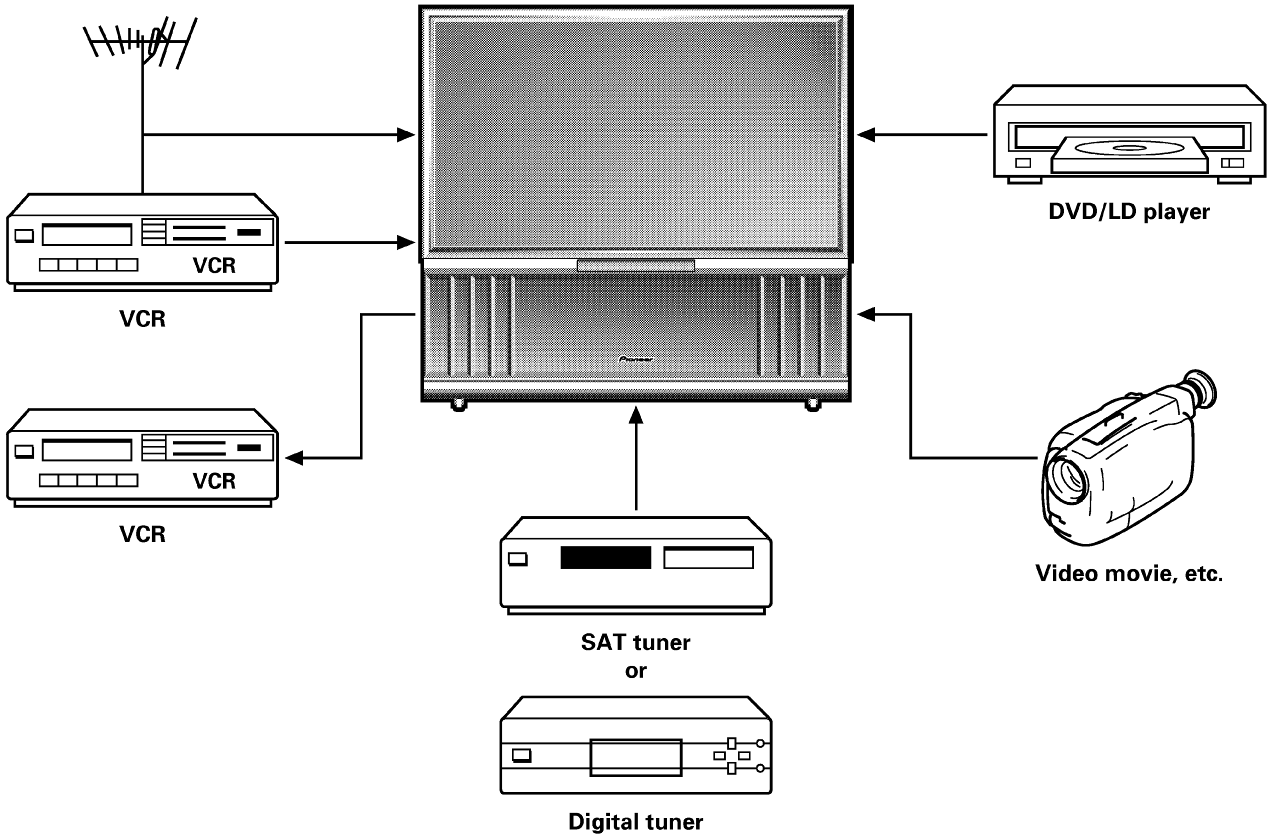
Connecting the CATV converter with VCR


Cable TV
Splitter
CATV converter
VCR
VCR
IN
OUT
ANTENNA
ANTENNA /CABLE
A
B

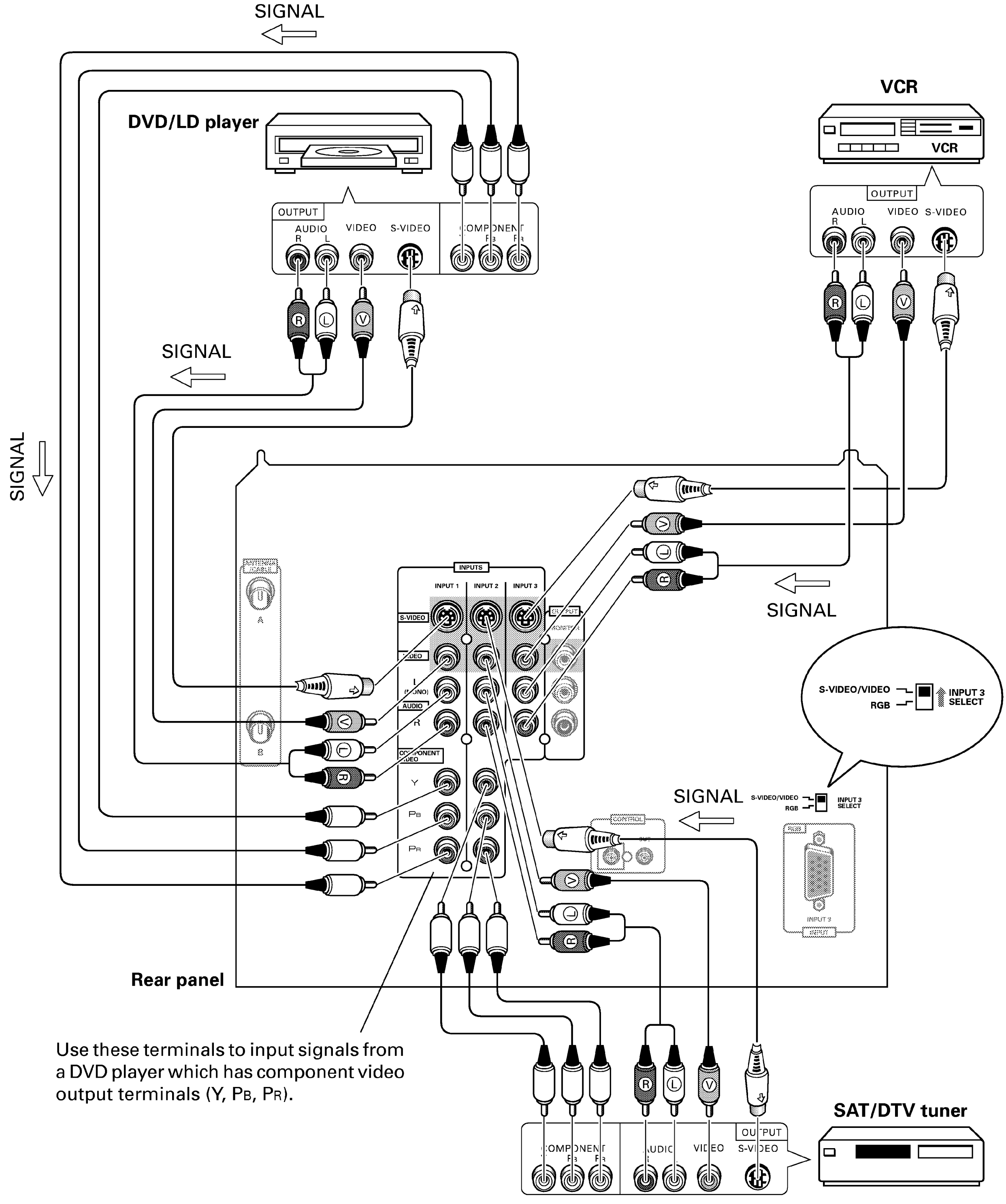
Connecting VHF/UHF antenna and CATV converter


VHF antenna
UHF antenna
U/V mixer
VHF
UHF
Cable TV
CATV converter
ANTENNA /CABLE
A
B

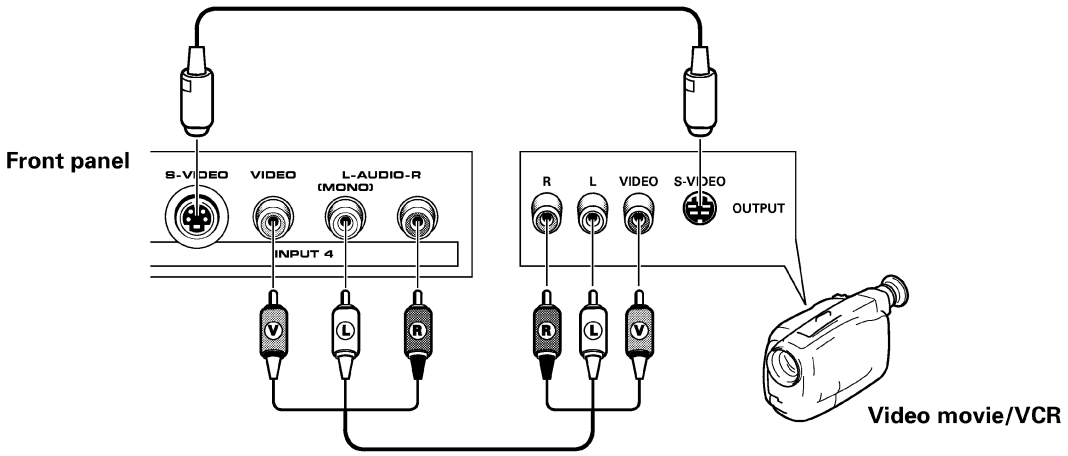
CONNECTING VIDEO/AUDIO EQUIPMENT


VCR
VCR
VCR
VCR
DVD/LD player
Video movie, etc.
SAT tuner
or
Digital tuner

- Refer to the instructions of your VCR or DVD/LD player for the detailed connections.
- Before making or changing connections, set the power switch to off and unplug the power cord from the AC outlet.
- If both the VIDEO terminal (pin-jack type) and S-VIDEO terminal are connected, the signals from the S-VIDEO terminal will have priority.
- Only the INPUT 1 and INPUT 2 jacks can input the component video signal.
- When the component signal and other signals are input to the INPUT 1 or INPUT 2 jacks, the component signal will be given priority.


SIGNAL
DVD/LD player
VCR
OUTPUT
AUDIO
R
L
VIDEO
S-VIDEO
COMPONENT
Y
PB
PR
VCR
OUTPUT
AUDIO
R
L
VIDEO
S-VIDEO
SIGNAL
SIGNAL
INPUTS
INPUT 1
INPUT 2
INPUT 3
S-VIDEO
VIDEO
L
(MONO)
AUDIO
R
COMPONENT VIDEO
Y
PB
PR
OUTPUT
MONITOR
ANTENNA /CABLE
A
B
SIGNAL
S-VIDEO/VIDEO
RGB
INPUT 3 SELECT
SIGNAL
CONTROL
RGB
INPUT 3
Rear panel
OUTPUT
COMPONENT
Y
PB
PR
AUDIO
R
L
VIDEO
S-VIDEO
SAT/DTV tuner

Use these terminals to input signals from a DVD player which has component video output terminals (Y, PB, PR).



INPUT jacks

There are 4 sets of inputs for VCR and DVD/LD players. Use RCA-type pin plug cords (the same as those used in Hi-Fi systems) for connections. When the audio source to be connected is monaural, connect the source to the L-(MONO) jack.

MONITOR OUTPUT jacks

These are used for connecting the monitor to a VCR for recording, or for linking it to another monitor. These jacks output the video and audio signals of the source currently selected by the INPUT SELECTOR. Connect these output jacks to your VCR's inputs. Connect the VCR's outputs to the monitor's VIDEO inputs.

S-VIDEO INPUT jacks

- Inputs S-VHS video signals or signals from a DVD/LD player that has an S-VIDEO output jack.
- When the signal input from the S-VIDEO INPUT jack is output from the MONITOR OUTPUT jack, the output signal will be a composite of Y and C.

COMPONENT VIDEO INPUT jack

Inputs three signals – Y, P_B (C_B) and P_R (C_R) – output from DVD players and the like.

Input formats in which images can be received.

	Format	Horizontal frequency	Vertical frequency
DVD player, etc.	480 i	15.734 kHz	60 Hz
Digital tuner, etc.	1080 i	33.75 kHz	60 Hz
	480 p	31.468 kHz	60 Hz

RGB INPUT jack

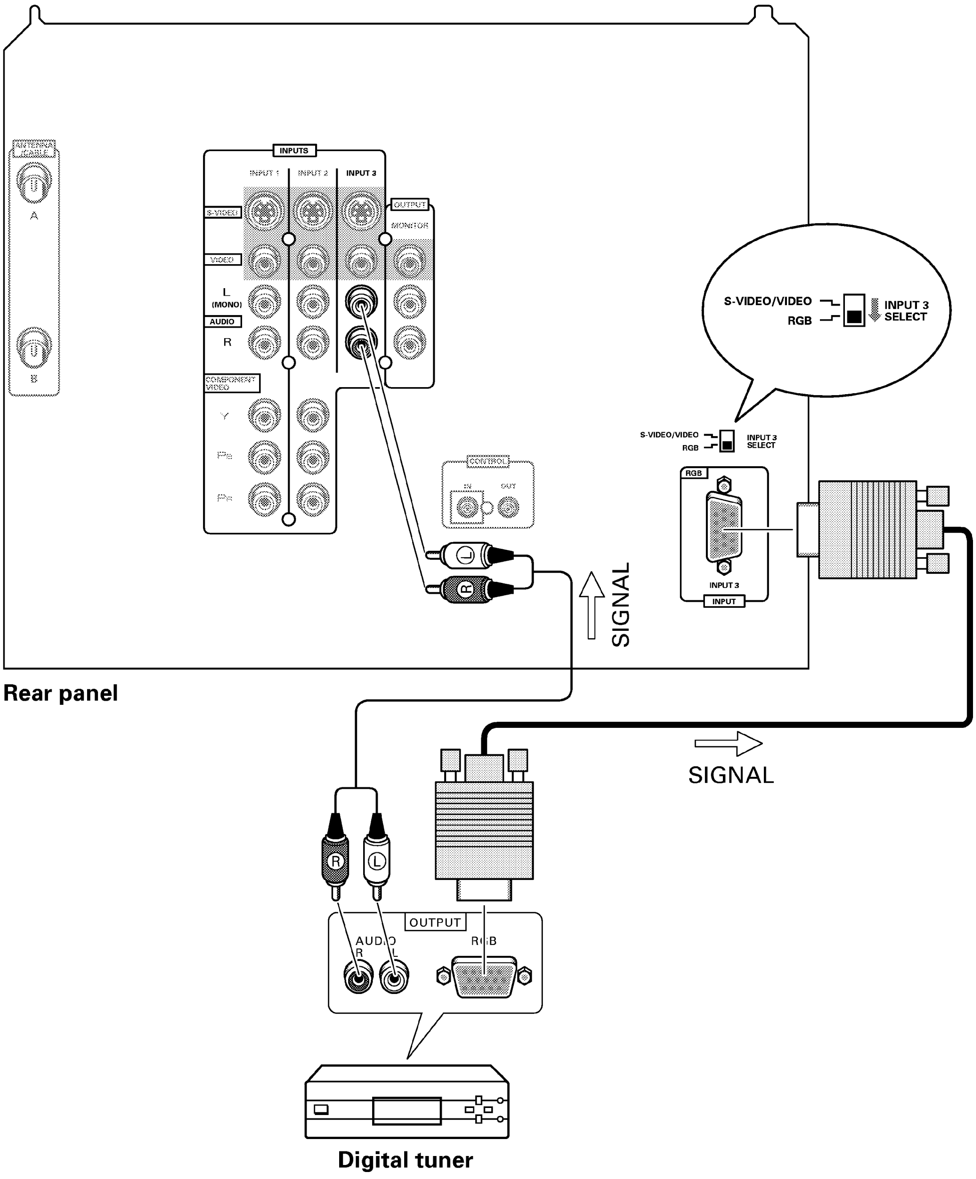
Inputs five signals – R, G, B, H and V – output from digital tuners and the like.

Input format in which images can be received.

	Format	Horizontal frequency	Vertical frequency
Digital tuner	1080 i	33.75 kHz	60 Hz

NOTES:

- *SPLIT screen, FREEZE screen and SEARCH screen functions cannot be used when 1080i or 480p component signals are input.*
- *Signals from MONITOR OUTPUT jacks will not be output when component signals or RGB signals are input.*
- *The RGB input jack is designed for use in connecting a digital tuner with RGB signal output, and it should accordingly never be used for connecting to a personal computer or other device.*


ANTENNA CABLE
A
B
INPUTS
INPUT 1
INPUT 2
INPUT 3
S-VIDEO
VIDEO
L (MONO)
AUDIO
R
COMPONENT VIDEO
Y
PB
PR
OUTPUT
MONITOR
CONTROL
IN
OUT
S-VIDEO/VIDEO
RGB
INPUT 3 SELECT
RGB
INPUT 3
INPUT
L
R
SIGNAL
Rear panel
SIGNAL
R
L
OUTPUT
AUDIO
R
L
RGB
Digital tuner

NOTE:

Setting the INPUT 3 SELECT switch to 'RGB' will cause all S-Video and composite images input from the INPUT 3 jack to be suppressed. Similarly, setting the INPUT 3 SELECT switch to 'S-VIDEO/VIDEO' will cause all images input from the RGB input jack to be suppressed.

FRONT PANEL FUNCTIONS

A flip-down door conceals the control panel. Push gently and release, to open the door. To close the door, lift it back up into place.

NOTE:
If you accidentally pull the door, it may not shut properly. Push the door back in to shut it.

① POWER STANDBY/ON indicator

red: STANDBY
green: ON

② DPO sensor

Sensor to detect the room brightness.

③ MAIN POWER switch

Press once to turn on the main power (STANDBY mode). Press again to turn off the main power.

④ POWER button (STANDBY/ON)

Press once to turn on the Monitor. Press again to turn off the Monitor.

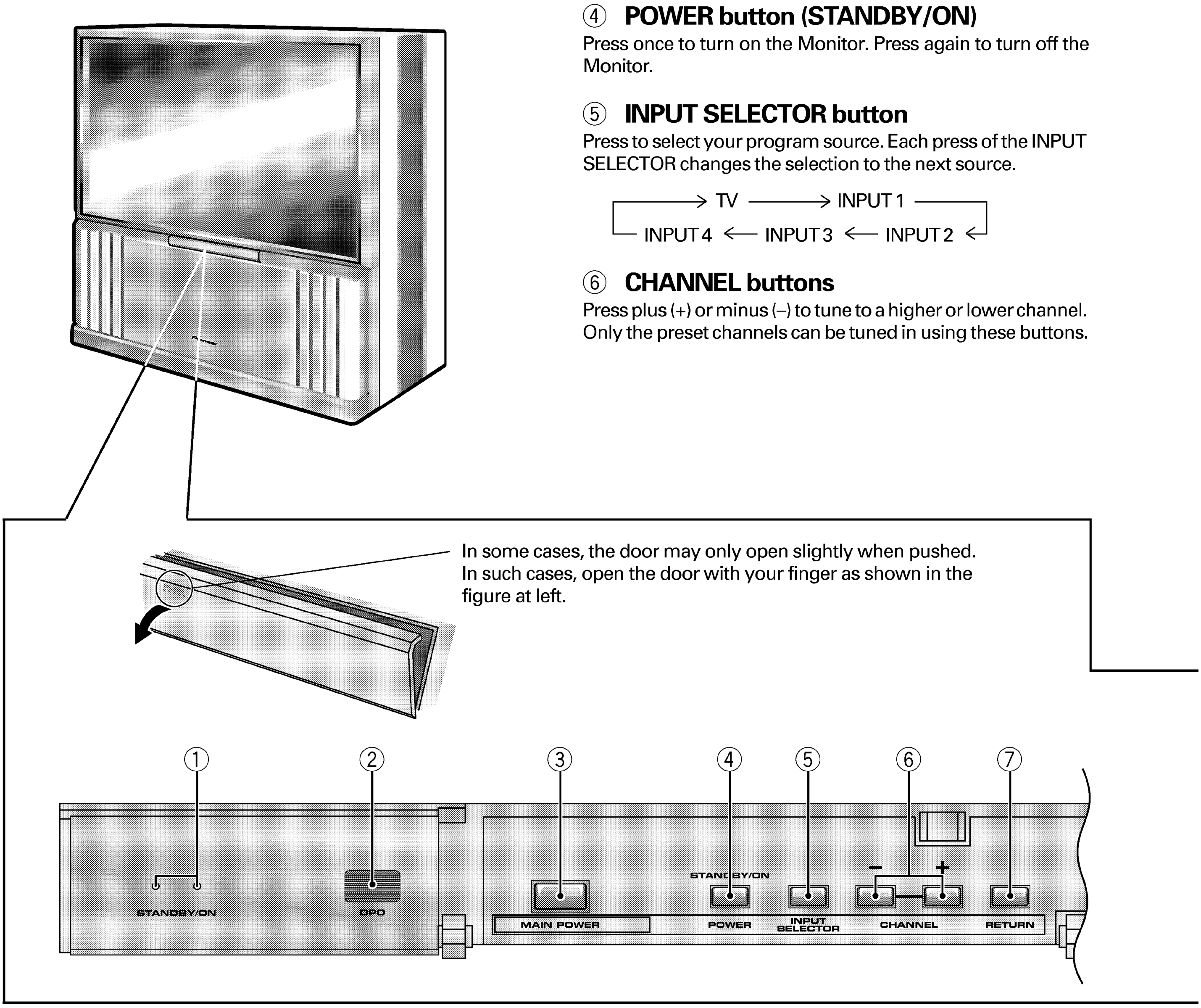
⑤ INPUT SELECTOR button

Press to select your program source. Each press of the INPUT SELECTOR changes the selection to the next source.

→ TV → INPUT 1 →
INPUT 4 ← INPUT 3 ← INPUT 2 ←

⑥ CHANNEL buttons

Press plus (+) or minus (–) to tune to a higher or lower channel. Only the preset channels can be tuned in using these buttons.



In some cases, the door may only open slightly when pushed. In such cases, open the door with your finger as shown in the figure at left.

⑦ RETURN button

Press to set the Projection Monitor to its initial mode.

Initial mode

Input selector:	Set to TV.
TV channel:	Remains at the last channel set.
VOLUME:	Remains at the last setting.
MUTING:	OFF
PICTURE	
MODE:	STD
Parameters:	Set to 0.
3D Y/C LEVEL:	3
3D NR LEVEL:	3
COLOR TEMP:	STD
FLESH TONE:	ON
SOUND	
MTS:	MAIN
Parameters:	Set to 0.
SURROUND:	OFF
SUPER BASS:	OFF
SCREEN	
MODE:	NATURAL WIDE
V. POSITION:	Set to 0.
CC:	OFF
DPO:	OFF

- When this button is pressed while adjusting the MULTI-POINT convergence, the MULTI-POINT convergence returns to the initial mode.

⑧ VOLUME buttons

Press plus (+) button to increase the volume, press minus (–) button to decrease it.

⑨ INPUT 4 jacks

These inputs are for Video Movie and VCR. Use RCA-type pin plug cords (the same as those used in Hi-Fi systems) and S-VIDEO cords for connections. When the audio source to be connected is monaural, connect the source to the L-(MONO) jack.

CAUTION:

Do not press any operation button on the Projection Monitor or the remote control unit while recording. Signals from the MONITOR OUTPUT jacks may be temporarily interrupted when a button is pressed.

ATTENTION

The Projection Monitor Receiver will not function properly in the following cases.

- An electrical discharge in the CRT.
- Lightning storms.
- High static electricity environment.
- Poor voltage regulation in the power source.

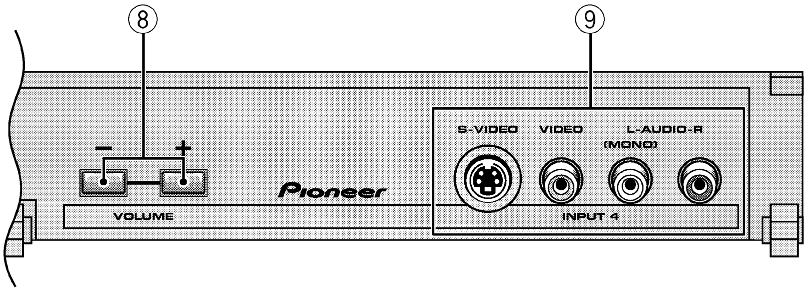
If the Projection Monitor does not operate properly, reset it as follows:

1. Turn off the power of the unit with the ③ MAIN POWER switch.
2. After approximately 1 minute, turn on the power with ③ MAIN POWER switch and ④ POWER button.

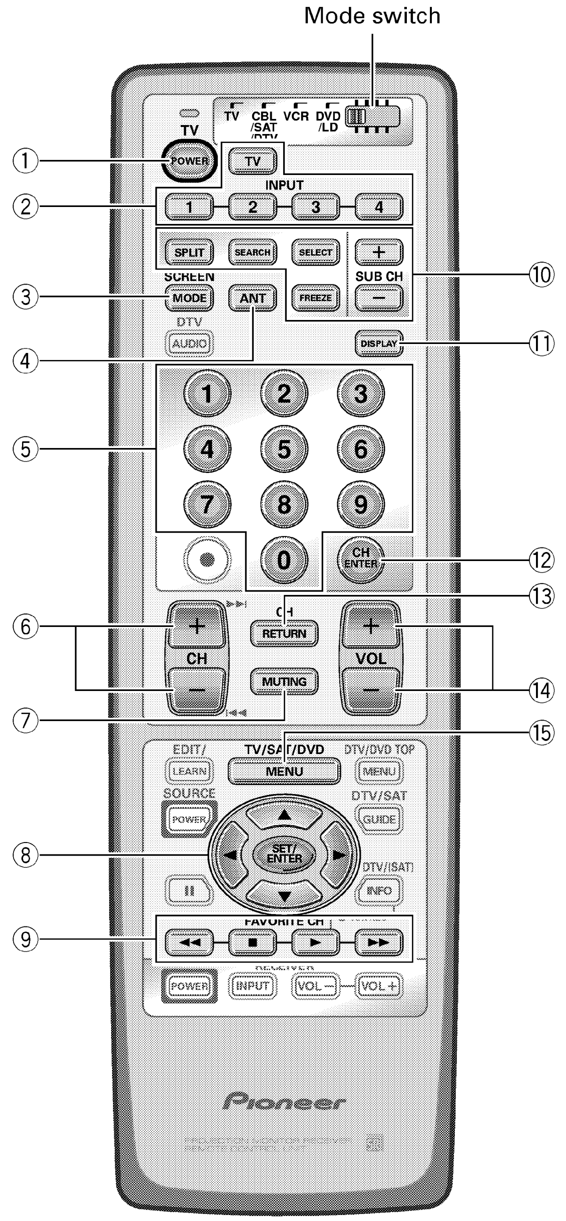
If the normal operation cannot be restored after the above treatment, immediately unplug the power cord and call your nearest PIONEER-authorized service center.

NOTE:

On rare occasions, an electrical discharge may occur inside the CRT. It makes a short, sharp pop and either no sound is produced or the volume level changes by itself. The SPLIT screen and SEARCH screen functions will be cancelled automatically if an electrical discharge occurs when this function is engaged.



REMOTE CONTROL UNIT FUNCTIONS


Mode switch
TV
TV
CBL /SAT /DTV
VCR
DVD /LD
POWER
TV
INPUT
1
2
3
4
SPLIT
SEARCH
SELECT
+
SCREEN MODE
ANT
FREEZE
SUB CH
−
DTV AUDIO
DISPLAY
1
2
3
4
5
6
7
8
9
0
CH ENTER
+
CH
−
CH RETURN
MUTING
+
VOL
−
EDIT/ LEARN
TV/SAT/DVD MENU
DTV/DVD TOP MENU
SOURCE POWER
DTV/SAT GUIDE
SET/ ENTER
DTV/SAT INFO
FAVORITE CH
RECEIVER
POWER
INPUT
VOL−
VOL+
Pioneer
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮

Set the mode switch to TV.

① **TV POWER button (STANDBY/ON)**
Turns the power of the monitor on and off.

② **Input Selector buttons (TV, INPUT 1 to INPUT 4)**
Press the button to select the source you wish to watch. The screen will display your selection.

③ **SCREEN MODE button**
Press to select the SCREEN MODE.

④ **ANT (antenna selector) button**
Press to switch between ANTENNA-A and ANTENNA-B when you wish to watch TV.

⑤ **Direct channel selection buttons**
Press the button (or buttons) that corresponds to the channel that you wish to watch.

⑥ **CH (channel) +, – button**
Press plus (+) or minus (–) to tune in a higher or lower channel. Only the preset channels can be tuned in using these buttons.

⑦ **MUTING button**
Press to temporarily turn off the sound. Press again to return to the previous volume level.

⑧ **Select/Adjust/Set buttons (SET/ENTER, ◄, ►, ▲, ▼)**
◄, ►, ▲, ▼: Press to select or adjust items on the menu screen.
SET/ENTER: Press to activate the selected function.

⑨ **FAVORITE CH buttons**
These buttons call up the channels that have been assigned to them.

⑩ **SPLIT/SEARCH screen buttons**

SPLIT:	Press to turn the SPLIT screen function on and off.
SEARCH:	Press to select the SEARCH screen mode.
SELECT:	Selects the screen for switching the channel or input source.*1
FREEZE:	When this button is pressed with the regular screen, the screen will change to the SPLIT screen and the picture at the time the button was pressed will become the sub-picture, displayed as a frozen image.
SUB CH +,–:	Used to switch the channel for the sub-picture of the SPLIT screen.

⑪ **DISPLAY button**
Press to display the input source, channel, setting and other screen indicators for a few seconds.

⑫ **CH ENTER button**
Fix the selected channel with the direct channel selection buttons.

⑬ **CH RETURN (channel return) button**
Press to switch between the current channel and the channel you were watching immediately before.

⑭ **VOL (volume) +, – buttons**
Press plus (+) button to increase the volume, press minus (–) button to decrease it.
Volume level will appear on the screen as numbers and a bar graph. The maximum volume level is "63".
The display will disappear from the screen after 2 seconds.

⑮ **MENU button**
Press to turn on the menu screen for use in function selection.
Press again to return to normal TV screen.

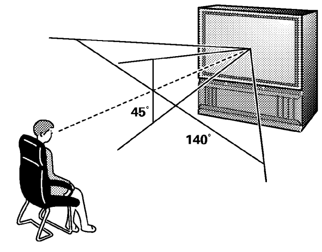
*1 With the 9-SEARCH screen, the search picture' s input source and channel cannot be switched.

NOTE:
If the remote control unit is left in total darkness for a long period of time, it will not emit light, but will not be damaged. In this case, place it in a bright place for a little while before using it.

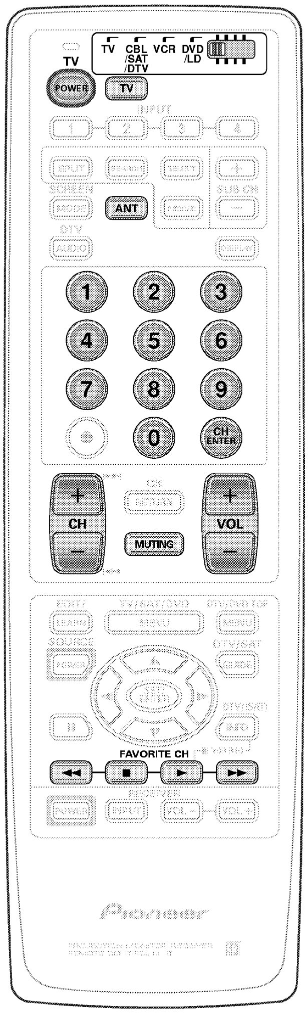
TO WATCH TV

Best Horizontal and Vertical Viewing Angle

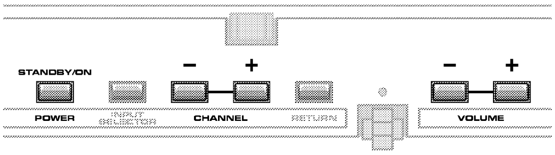
- The optimum viewing angle is 140° in horizontal and 45° in vertical.
- Watch from at least 10 feet (3m) away from the screen (optimum viewing distance is 10 to 23 feet).



Remote control unit


TV
TV CBL /SAT /DTV VCR DVD /LD
POWER
TV
ANT
1
2
3
4
5
6
7
8
9
0
CH ENTER
CH
VOL
MUTING
FAVORITE CH
Pioneer

Control panel of the monitor

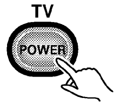

STANDBY/ON
POWER
– +
CHANNEL
– +
VOLUME

Turn on the MAIN POWER switch.

1 Turn on the POWER.

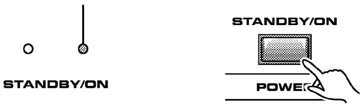
The green STANDBY/ON indicator lights up.

Remote control unit



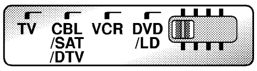
Control panel of the monitor

Green indicator


STANDBY/ON
STANDBY/ON
POWER

2 Set the mode switch to TV and then press the TV button.

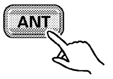
Remote control unit

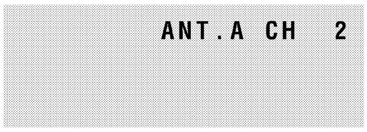

TV CBL /SAT /DTV VCR DVD /LD

3 Select antenna A or B.

Check the input signals at the ANTENNA A and B terminals.

Remote control unit





4 Select a channel.

There are three methods for this.

① **Select by pressing the number button**

(Example)

Channel 5 ⑤ → CH ENTER

(Or press ⓪ and then press ⑤ within 2 seconds of during so.)

Channel 12 Press ① and then press ② within 2 seconds of during so. → CH ENTER

- *After pressing a number button, even if you do not press the CH ENTER button, the channel will be switched to the one selected within 2 seconds.*
- *Depending on the channel, this switch may occur immediately after the number button is pressed.*

	VHF L	MID		VHF H	SUPER	HYPER									UHF
TV	2-6	———		7-13	———	———									14-69
CATV	2-6 (STD)	A-5(95)	A(14)	7-13	J(23) Q(30)	W+1(37)	W+11(47)	W+21(57)	W+31(67)	W+41(77)	W+51(87)	W+61(102)	W+71(112)	W+81(122)	—
		A-4(96)	B(15)		K(24) R(31)	W+2(38)	W+12(48)	W+22(58)	W+32(68)	W+42(78)	W+52(88)	W+62(103)	W+72(113)	W+82(123)	
		A-3(97)	C(16)		L(25) S(32)	W+3(39)	W+13(49)	W+23(59)	W+33(69)	W+43(79)	W+53(89)	W+63(104)	W+73(114)	W+83(124)	
		A-2(98)	D(17)		M(26) T(33)	W+4(40)	W+14(50)	W+24(60)	W+34(70)	W+44(80)	W+54(90)	W+64(105)	W+74(115)	W+84(125)	
		A-1(99)	E(18)		N(27) U(34)	W+5(41)	W+15(51)	W+25(61)	W+35(71)	W+45(81)	W+55(91)	W+65(106)	W+75(116)		
			F(19)		O(28) V(35)	W+6(42)	W+16(52)	W+26(62)	W+36(72)	W+46(82)	W+56(92)	W+66(107)	W+76(117)		
	1-6 (HRC) (IRC)		G(20)		P(29) W(36)	W+7(43)	W+17(53)	W+27(63)	W+37(73)	W+47(83)	W+57(93)	W+67(108)	W+77(118)		
			H(21)			W+8(44)	W+18(54)	W+28(64)	W+38(74)	W+48(84)	W+58(94)	W+68(109)	W+78(119)		
			I (22)			W+9(45)	W+19(55)	W+29(65)	W+39(75)	W+49(85)	W+59(100)	W+69(110)	W+79(120)		
						W+10(46)	W+20(56)	W+30(66)	W+40(76)	W+50(86)	W+60(101)	W+70(111)	W+80(121)		

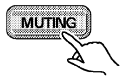
CABLE (CATV) CHANNEL ASSIGNMENT TABLE

In the cable tuning mode, channels can only be assigned to numbers 01 to 125. The specific channel number assignments and the corresponding alphabet designation are shown at the bottom left of the channel table.
For example: Channel number '14' corresponds to midband cable channel 'A'.

NOTE:
Cable (CATV) services can vary according to area. The channel number assignments shown in the channel table may not correspond with the channel numbers used by your local cable company. Direct tuning to cable channels without using the cable company converter 'or preselector' will depend on the specific channels in use by the cable company. Direct tuning to cable channels is limited to unencoded (unscrambled) channels only. Check with your local cable company for compatibility requirements.

To turn off the sound

Press the MUTING button.



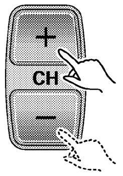
When mute is turned on, a volume indicator will appear in red on the screen (and will disappear in a few seconds).
If the MUTING button is pressed while a closed caption signal is being received, CC/TEXT will be displayed.
Press MUTING again to return to the previous volume level.

Auto power off function

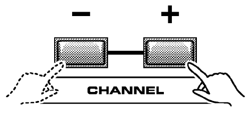
If the monitor is receiving no input signals in TV mode, its power will turn off (go on standby) after some time has passed.

② **Select using the TV CH+/– button**
The channels will switch according to the order set by channel preset (See page 26).

Remote control unit

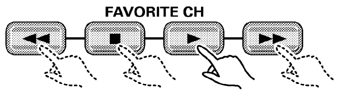


Control panel of the monitor



③ **Select using the FAVORITE CH button**
Select your desired channel from the 4 in the memory of each button: blue, green, red and yellow.

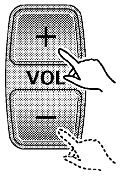
Remote control unit



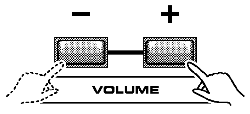
- Each time the button is pressed, the channel will be changed in order of the 4 channels in that button's memory.
- The desired channels can be set. (See page 44.)
- When you select a channel using the FAVORITE CH button, step 3 (Select antenna A or B) is not necessary.

5 Adjust the volume.

Remote control unit



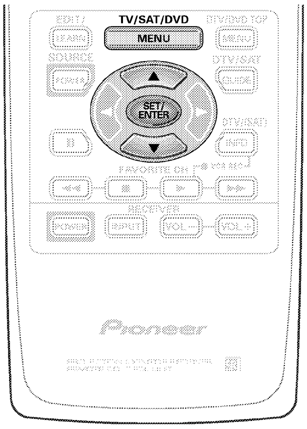
Control panel of the monitor

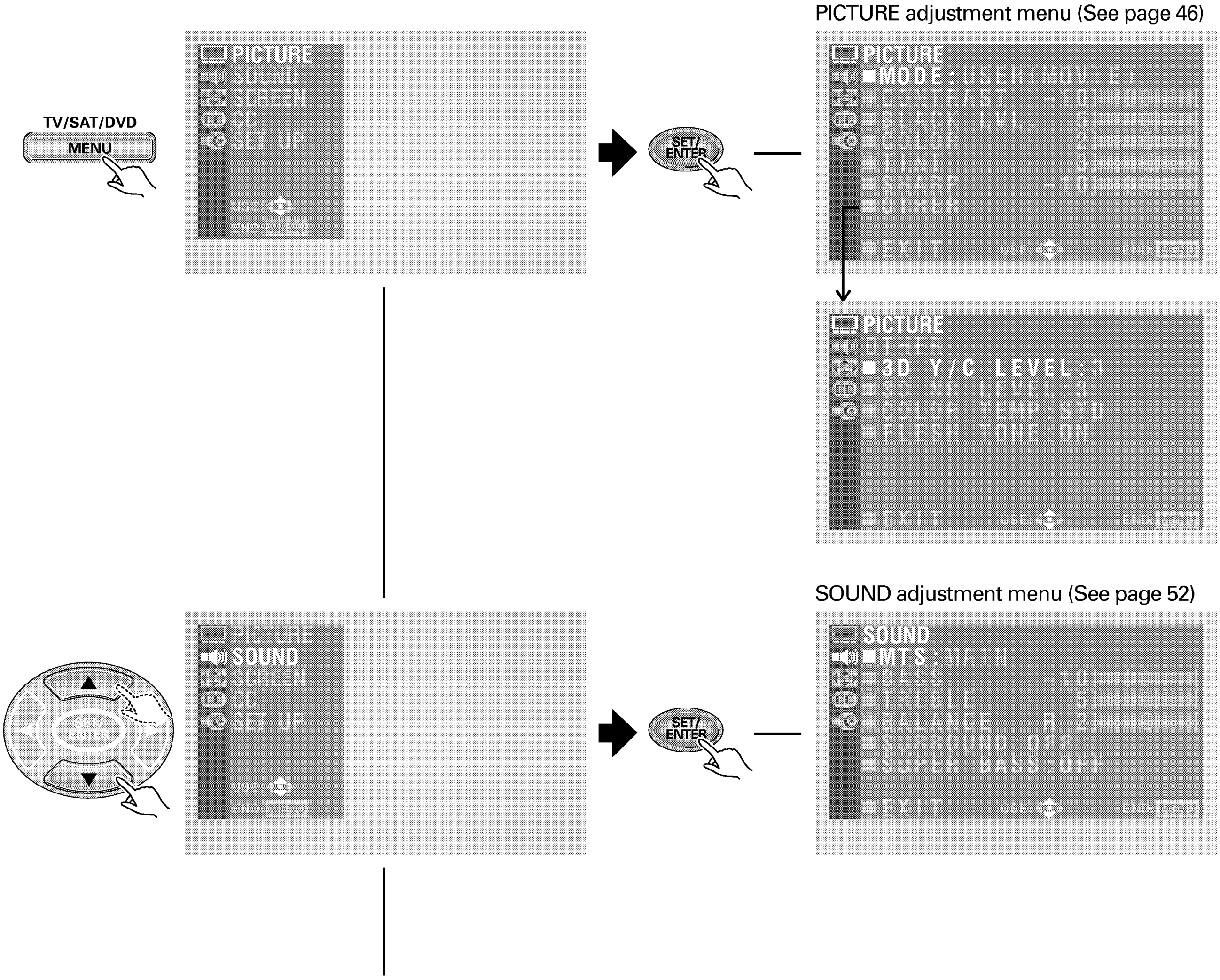


CHECKING THE MENU

Press MENU on the remote control unit.
The MAIN MENU will be displayed on the screen.
Select the desired menu item using ▲ or ▼ button of the remote control unit, and press SET/ENTER button to perform the desired operations and settings.

- When the menu screen appears, the mode will switch from SCREEN to FULL. When all menu selections have been made, the previous screen mode will be restored.


TV/SAT/DVD
MENU
SET/ENTER
Pioneer


TV/SAT/DVD
MENU
SET/ENTER
PICTURE
SOUND
SCREEN
CC
SET UP
USE:
END: MENU

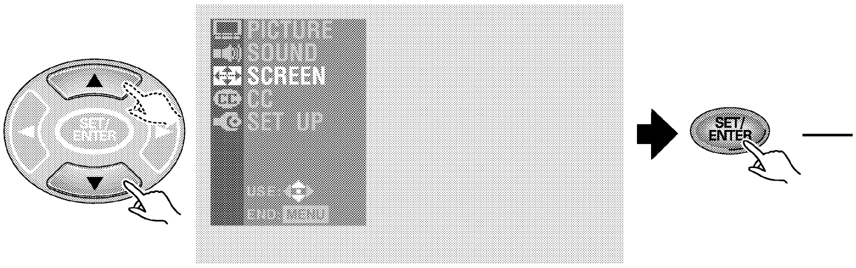
PICTURE adjustment menu (See page 46)

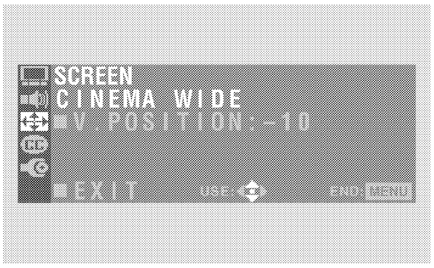
PICTURE
■ MODE : USER (MOVIE)
■ CONTRAST -10
■ BLACK LVL 5
■ COLOR 2
■ TINT 3
■ SHARP -10
■ OTHER
■ EXIT USE: END: MENU

PICTURE
OTHER
■ 3D Y/C LEVEL : 3
■ 3D NR LEVEL : 3
■ COLOR TEMP : STD
■ FLESH TONE : ON
■ EXIT USE: END: MENU

SOUND adjustment menu (See page 52)

SOUND
■ MTS : MAIN
■ BASS -10
■ TREBLE 5
■ BALANCE R 2
■ SURROUND : OFF
■ SUPER BASS : OFF
■ EXIT USE: END: MENU

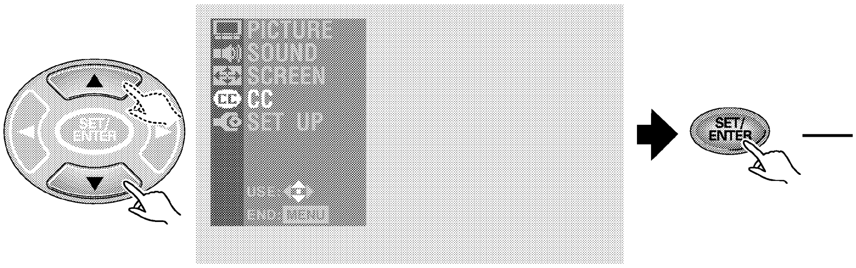

SET/ENTER
PICTURE
SOUND
SCREEN
CC
SET UP
USE
END MENU
SET/ENTER

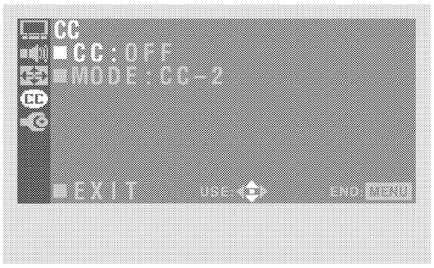

SCREEN setting menu (See page 37)

SCREEN
EXIT
USE
END MENU

CINEMA WIDE

V.POSITION:-10

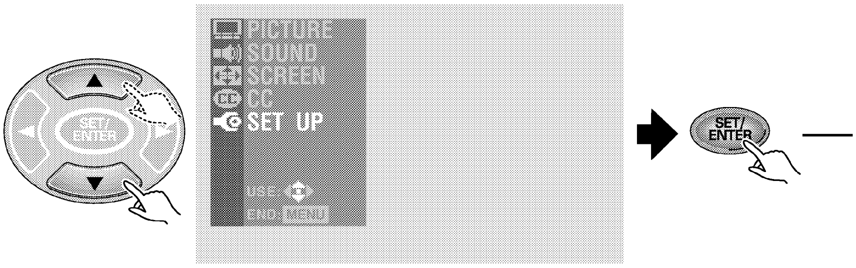

SET/ENTER
PICTURE
SOUND
SCREEN
CC
SET UP
USE
END MENU
SET/ENTER

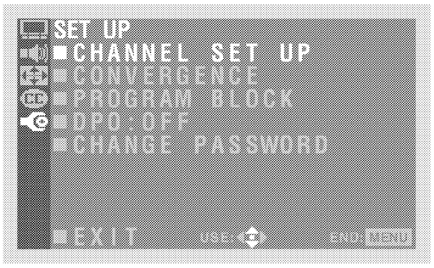

Closed Caption menu (See page 40)

CC
EXIT
USE
END MENU

CC:OFF

MODE:CC-2


SET/ENTER
PICTURE
SOUND
SCREEN
CC
SET UP
USE
END MENU
SET/ENTER


SET UP menu
(See pages 26, 28, 31, 34, 41 and 56)

SET UP
CHANNEL SET UP
CONVERGENCE
PROGRAM BLOCK
CHANGE PASSWORD
EXIT
USE
END MENU

DPD:OFF

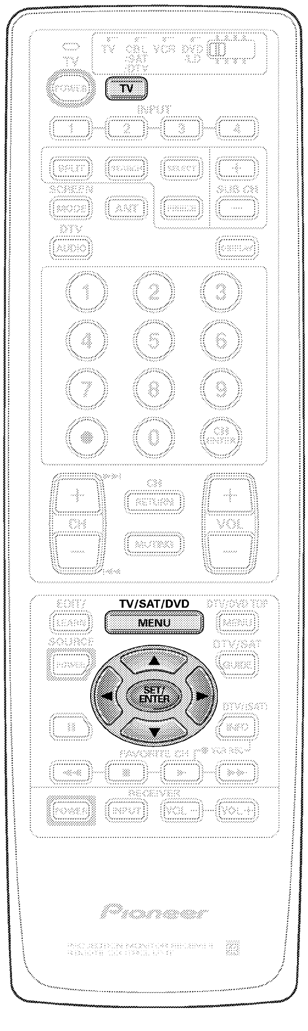
On screen indicators

USE: Indicates in light cyan the buttons that can be used on the menu screen displayed.

END: End is for turning off the menu screen by pressing the MENU button.

EXIT: To return to the previous menu screen, use the ▲ or ▼ button to move to EXIT and then press SET/ENTER.

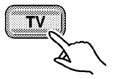
AUTO CHANNEL PRESET


TV
MENU
TV/SAT/DVD
SET/ENTER
Pioneer

NOTE:
The CHANNEL SET UP cannot be selected unless the function is set up for TV.

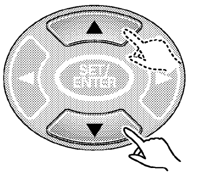
The broadcast frequencies that can be received depend on your area. Memorize the broadcast stations that can be received in your area in the preset.

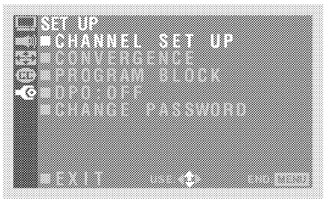
1 Select TV.



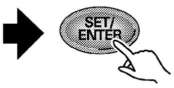
2 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ ENTER. (Refer to page 24.)

3 Select CHANNEL SET UP in the same way.

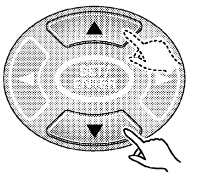


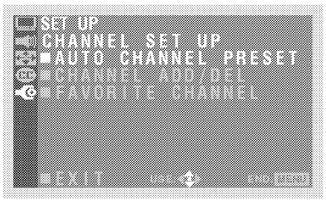

SET UP
■CHANNEL SET UP
■CONVERGENCE
■PROGRAM BLOCK
■DPO: OFF
■CHANGE PASSWORD
■EXIT USE ↕ END MENU

➡

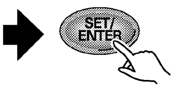


4 Select AUTO CHANNEL PRESET .

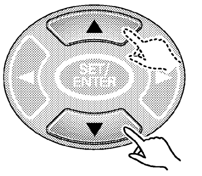


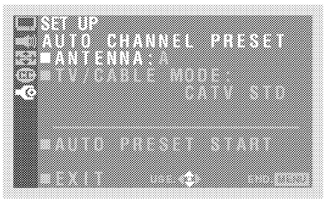

SET UP
CHANNEL SET UP
■AUTO CHANNEL PRESET
■CHANNEL ADD/DEL
■FAVORITE CHANNEL
■EXIT USE ↕ END MENU

➡

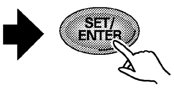


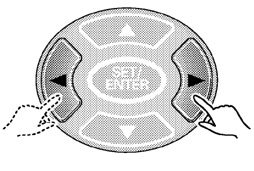
5 Select ANTENNA , then select A or B.

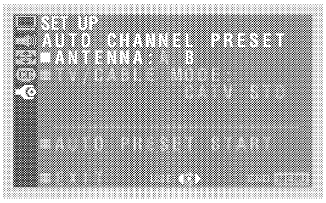



SET UP
AUTO CHANNEL PRESET
■ANTENNA: A
■TV/CABLE MODE:
CATV STD
■AUTO PRESET START
■EXIT USE ↕ END MENU

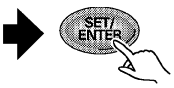
➡





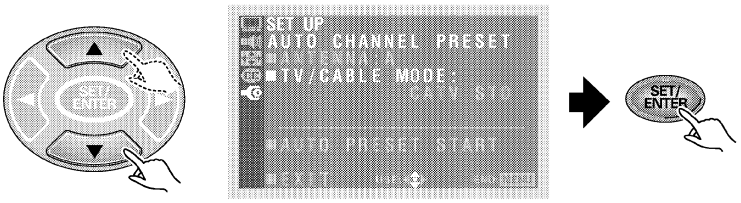

SET UP
AUTO CHANNEL PRESET
■ANTENNA: A B
■TV/CABLE MODE:
CATV STD
■AUTO PRESET START
■EXIT USE ◀▶ END MENU

➡

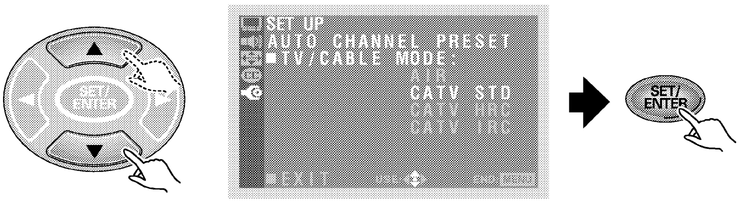


6 Select TV/CABLE MODE , then select the broadcast system to be received from AIR, CATV STD, CATV HRC or CATV IRC.

- Ask your dealer or cable service station for the mode of your local CATV system.

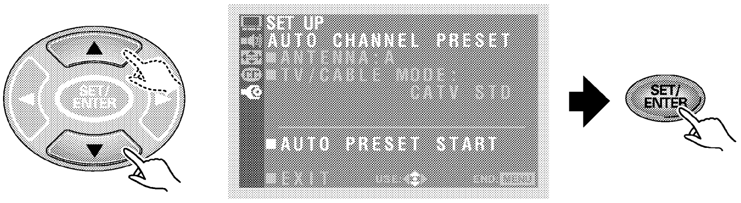

SET/ENTER
SET/ENTER

SET UP
AUTO CHANNEL PRESET
■ANTENNA:A
■TV/CABLE MODE:
CATV STD
■AUTO PRESET START
■EXIT USE:⇕ END: MENU


SET/ENTER
SET/ENTER

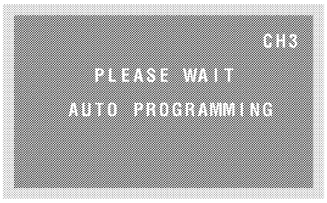
SET UP
AUTO CHANNEL PRESET
■TV/CABLE MODE:
AIR
CATV STD
CATV HRC
CATV IRC
■EXIT USE:⇕ END: MENU

7 Select AUTO PRESET START .


SET/ENTER
SET/ENTER

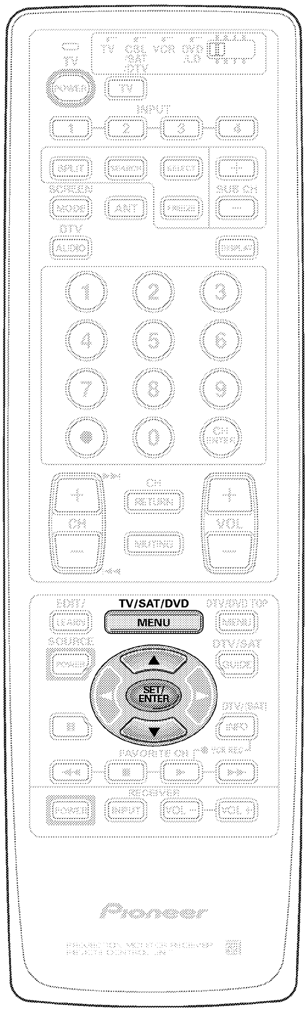
SET UP
AUTO CHANNEL PRESET
■ANTENNA:A
■TV/CABLE MODE:
CATV STD
■AUTO PRESET START
■EXIT USE:⇕ END: MENU

- AUTO CHANNEL PRESET starts.



CH3
PLEASE WAIT
AUTO PROGRAMMING

- When AUTO CHANNEL PRESET ends, the Monitor will return to step 5. Perform steps 5 to 7 if the other antenna is being used.


TV/SAT/DVD
MENU
SET/ENTER
Pioneer

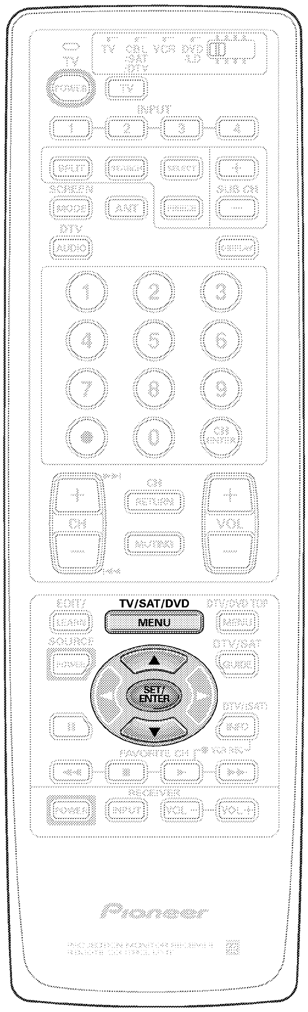
NOTE:
If AUTO CHANNEL PRESET is not performed, refer to the steps on page 41 and onwards to preset channels.

8 After setting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

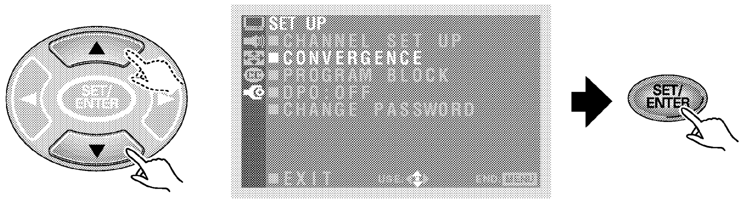
CONVERGENCE ADJUSTMENT

Earth magnetism may deviate the color misconvergence in some areas. After setting up the TV, or if the picture color is misconverged, be sure to realign color convergence, after the TV has warmed up for 30 minutes or more.

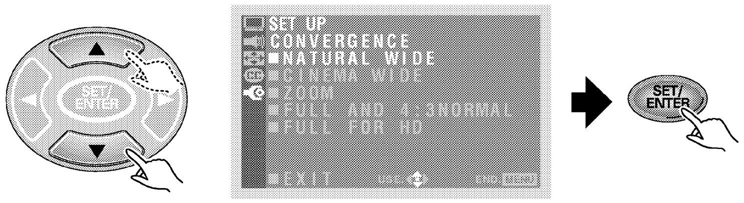

TV/SAT/DVD
MENU
SET/ENTER
Pioneer

1 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ENTER. (Refer to page 24.)

2 Select CONVERGENCE in the same way.

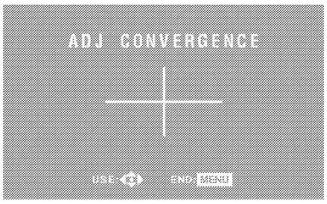

SET/ENTER
SET UP
CHANNEL SET UP
CONVERGENCE
PROGRAM BLOCK
DPO:OFF
CHANGE PASSWORD
EXIT
USE:
END: MENU
SET/ENTER

3 Select screen mode.


SET/ENTER
SET UP
CONVERGENCE
NATURAL WIDE
CINEMA WIDE
ZOOM
FULL AND 4:3NORMAL
FULL FOR HD
EXIT
USE:
END: MENU
SET/ENTER

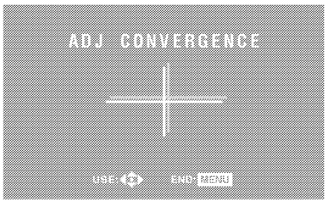
- Center convergence adjustment will be accessed.

When the cross pattern is white

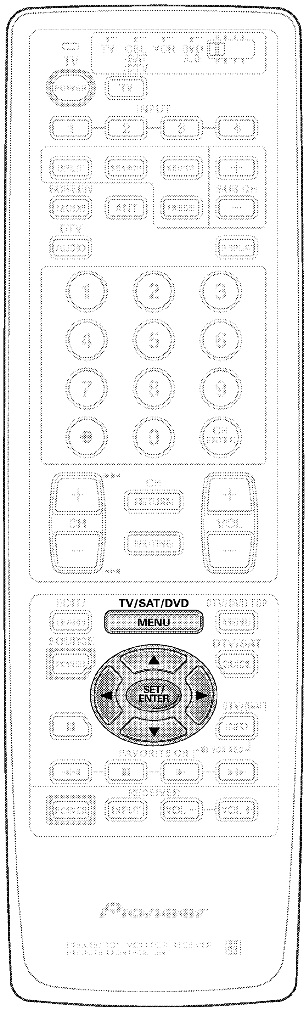

ADJ CONVERGENCE
USE:
END: MENU

The color is converged. Press SET button twice, proceed onto page 57 and perform MULTI-POINT convergence.

If the cross pattern shows other colors or when one side of the white line is red or blue

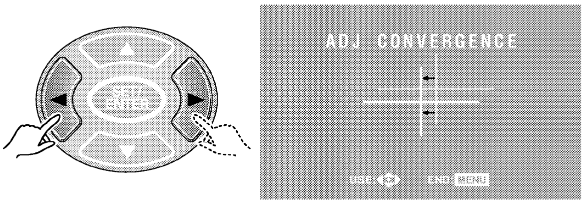

ADJ CONVERGENCE
USE:
END: MENU

It indicates that the color is misconverged. Proceed onto step 4 and perform the adjustment.

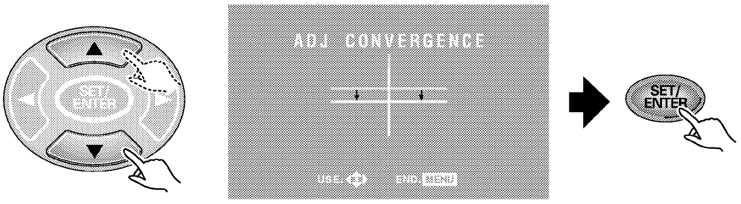

TV/SAT/DVD
MENU
SET/ENTER
Pioneer

4 Move the red line onto the green line.

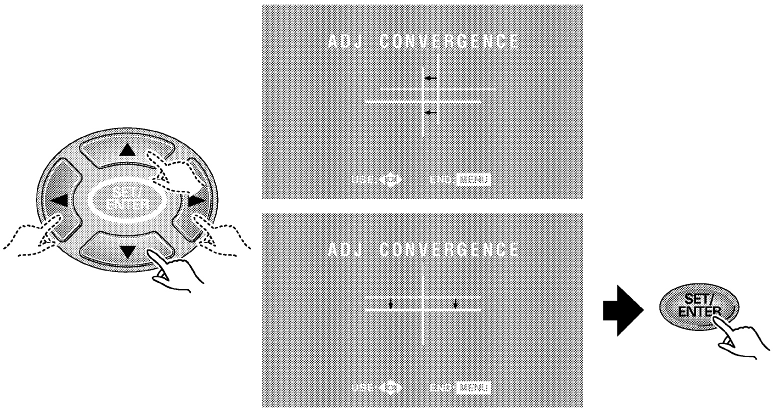
Move the vertical line.

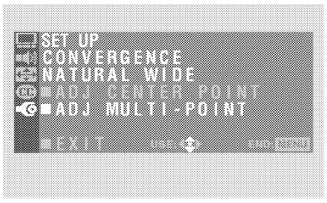

SET/ENTER
ADJ CONVERGENCE
USE:
END: MENU

Move the horizontal line.


SET/ENTER
ADJ CONVERGENCE
USE:
END: MENU
SET/ENTER

5 Move the blue line onto the yellow line.


SET/ENTER
ADJ CONVERGENCE
USE:
END: MENU
ADJ CONVERGENCE
USE:
END: MENU
SET/ENTER


SET UP
CONVERGENCE
NATURAL WIDE
■ADJ CENTER POINT
■ADJ MULTI-POINT
■EXIT
USE:
END: MENU

- When ADJ CENTER POINT is selected, center convergence adjustment will be accessed.
- Select ADJ MULTI-POINT to perform fine convergence tuning. See page 57 for further information on multi-point convergence tuning.

6 After completing the convergence adjustment, press MENU to turn the menu off.

PROGRAM BLOCK (V. CHIP) FUNCTION

Since laws have been passed in the United States requiring a way of blocking undesirable programming, the V-chip has become a required component in television sets. The V-chip is a computer chip which decodes signals added to broadcast signals transmitted by television broadcasters. These signals are classified by programming content (e.g., amount of violence or sexual content) and age, and viewers may specify settings which block certain types of programming.
Program blocking may be set to a specific level judged by parents to be harmful to children depending on their age or the content of the programming in question, and the V-chip makes it impossible for such children to view programs with ratings exceeding the specified level.

The V-chip uses the following rating system.

MPAA RATING

RATING		
Age-Base	G	GENERAL AUDIENCES. All ages admitted.
	PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.
	PG-13	PARENTAL STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
	R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
	NC-17	NO ONE 17 AND UNDER ADMITTED.
	X	X Rating is an older rating that is unified with NC-17 but may be encoded on older movie's data.
	NR	NOT RATED

TV PARENTAL GUIDELINES

RATING		Description and Content Themes				
		FV	D	L	S	V
Age-Base	TV-Y	–	–	–	–	–
	TV-Y7	○	–	–	–	–
	TV-G	–	–	–	–	–
	TV-PG	–	○	○	○	○
	TV-14	–	○	○	○	○
	TV-MA	–	–	○	○	○

FV: Fantasy Violence
D: Sexually Suggestive Dialog
L: Adult Language
S: Sexual Situations
V: Violence

TV-Y All Children. This program is designed to be appropriate for all children.

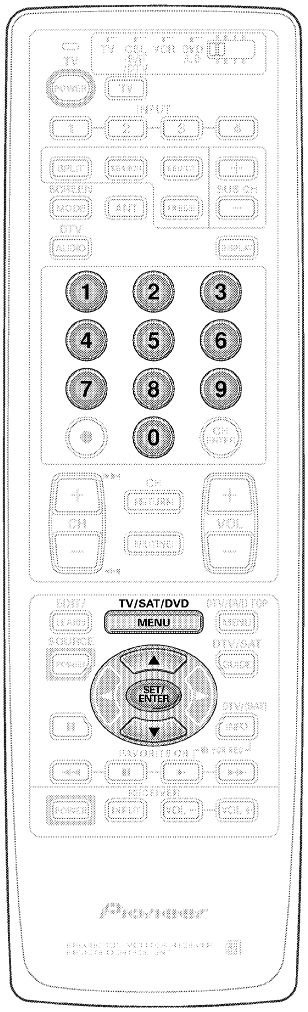
TV-Y7 Directed to Older Children. This program is designed for children age 7 and above.
Note: For those programs where fantasy violence may be more intense or more combative than other programs in this category, such programs will be designated TV-Y7-FV.

TV-G General Audience. Most parents would find this program suitable for all ages.

TV-PG Parental Guidance Suggested. This program contains material that parents may find unsuitable for younger children.
The program contains one or more of the following:
(D) Some suggestive dialogue
(L) Infrequent coarse language
(V) Moderate violence
(S) Some sexual situations

TV-14 Parents Strongly Cautioned. This program contains some material that many parents would find unsuitable for children under 14 years of age.
This program contains one or more of the following:
(D) Intensely suggestive dialogue
(L) Strong coarse language
(S) Intense sexual situations
(V) Intense violence

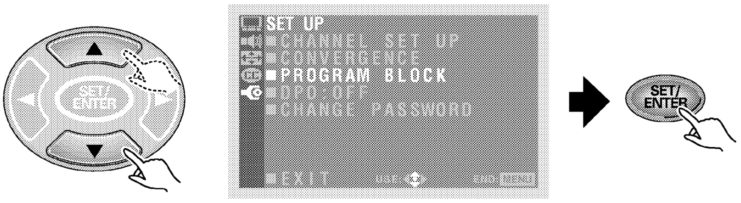
TV-MA Mature Audience Only. This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.
This program contains one or more of the following:
(L) Crude indecent language
(S) Explicit sexual activity
(V) Graphic violence


TV
POWER
INPUT
1
2
3
4
5
6
7
8
9
0
CH
RETURN
VOL
MUTING
TV/SAT/DVD
MENU
SET/
ENTER
Pioneer

SETTING THE PROGRAM BLOCKING LEVEL

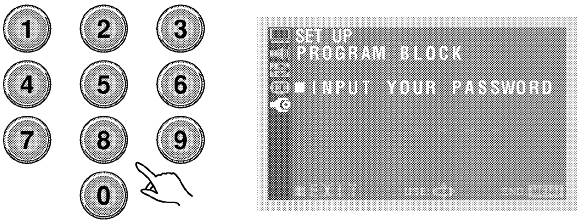
1 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ ENTER. (Refer to page 24.)

2 Select PROGRAM BLOCK in the same way.

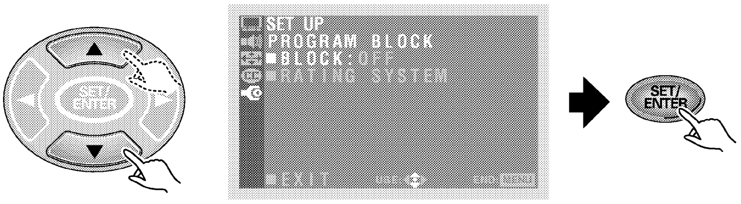

SET/
ENTER
SET UP
■ CHANNEL SET UP
■ CONVERGENCE
■ PROGRAM BLOCK
■ DPO:OFF
■ CHANGE PASSWORD
■ EXIT
USE
END MENU
SET/
ENTER

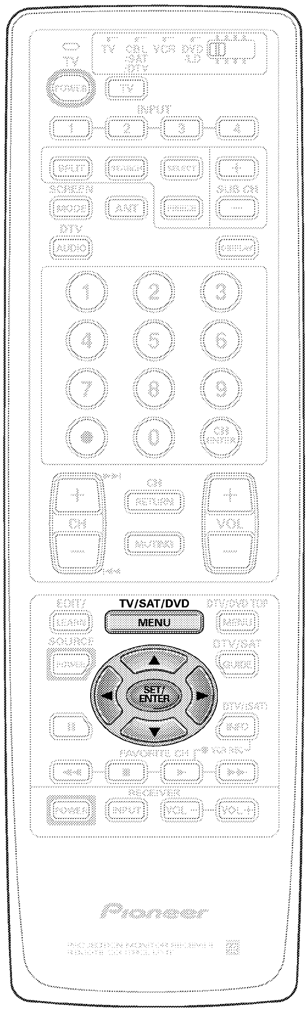
3 Enter password.

- Press numeric buttons ‘0’ through ‘9’ to enter a four-digit password.
- If the password has not been changed as described in Changing Password (p. 34), enter the default password of ‘1234’.
- If you wish to change the password, see p. 34 Changing Password for instructions on how to do so.


1
2
3
4
5
6
7
8
9
0
SET UP
PROGRAM BLOCK
■ INPUT YOUR PASSWORD
- - - -
■ EXIT
USE
END MENU

4 Select BLOCK .

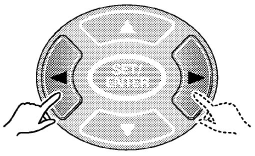

SET/
ENTER
SET UP
PROGRAM BLOCK
■ BLOCK:OFF
■ RATING SYSTEM
■ EXIT
USE
END MENU
SET/
ENTER

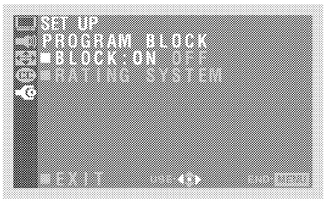

TV/SAT/DVD
MENU
SET/ENTER
Pioneer

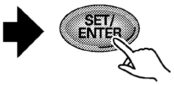
NOTE:

- *Blocking programming with a low rating will cause all programming with a higher rating also to be blocked.*
- *The 'NR' (not rated) of the MPAA RATING may be set to 'View' or 'Block' without regarded to other ratings.*

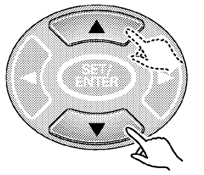
5 Set BLOCK to ON.

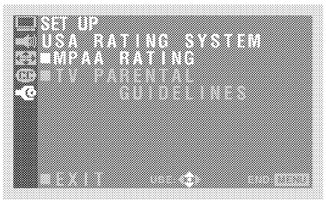


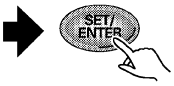

SET UP
PROGRAM BLOCK
■BLOCK:ON OFF
■RATING SYSTEM
■EXIT USE END MENU



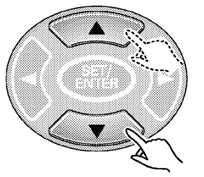
6 Select MPAA RATING or TV PARENTAL GUIDELINES .

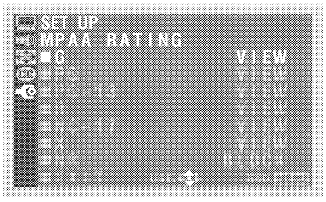


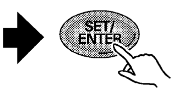

SET UP
USA RATING SYSTEM
■MPAA RATING
■TV PARENTAL GUIDELINES
■EXIT USE END MENU

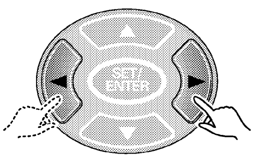


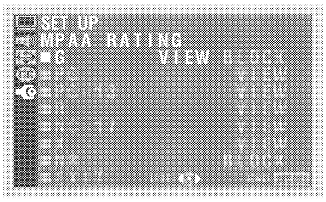
7 Select and then confirm the rank of the MPAA RATING.

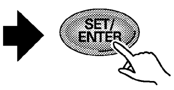



SET UP
MPAA RATING
■G VIEW
■PG VIEW
■PG-13 VIEW
■R VIEW
■NC-17 VIEW
■X VIEW
■NR BLOCK
■EXIT USE END MENU

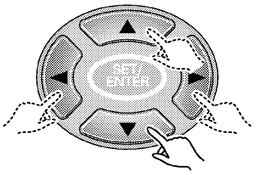


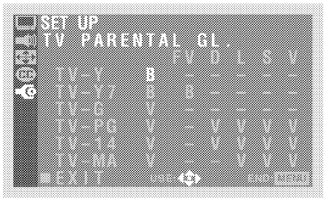


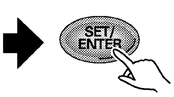

SET UP
MPAA RATING
■G VIEW BLOCK
■PG VIEW
■PG-13 VIEW
■R VIEW
■NC-17 VIEW
■X VIEW
■NR BLOCK
■EXIT USE END MENU



8 Select and confirm the rank of the TV PARENTAL GUIDELINES.

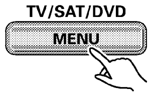



SET UP
TV PARENTAL GL.
FV D L S V
TV-Y B –
TV-Y7 B B – – – –
TV-G V – – – – –
TV-PG V – V V V V
TV-14 V – V V V V
TV-MA V – – V V V
■EXIT USE END MENU



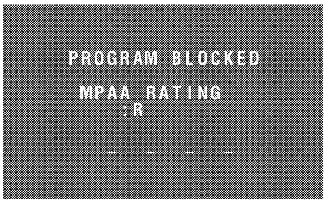
- Each time the SET/ENTER button is pressed, the setting will toggle between 'B' (Block) and 'V' (View).

9 After setting, press MENU to turn the menu off.



HOW TO REMOVE BLOCKING FROM A PROGRAM IN PROGRESS

When a selected program or a program on a channel to which you have just changed has a rating higher than the current program blocking rating, the picture and sound will cut off and an enter password screen will appear.

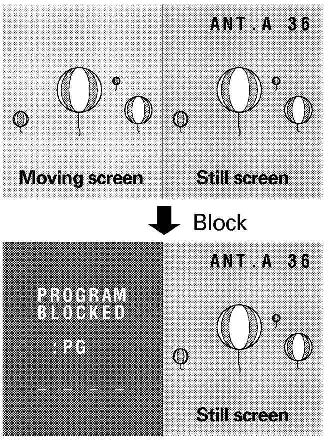

PROGRAM BLOCKED
MPAA RATING
:R
- - - -

Once the password has been entered, blocking will be removed.

NOTE:
Even when a password has been entered to cancel a block, if the monitor power is turn OFF then turned ON again, the Program Blocked screen will appear.

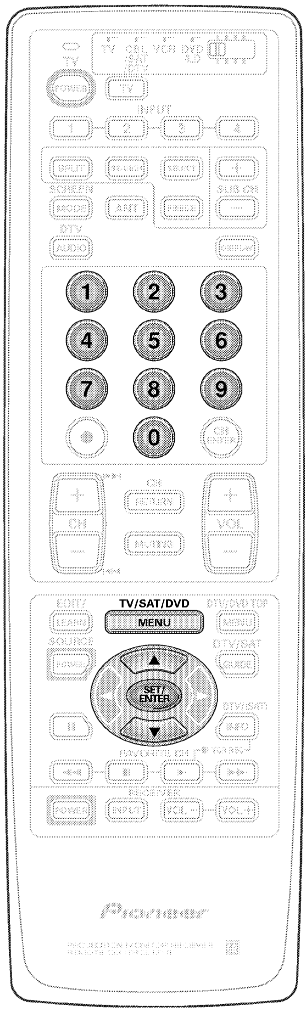
REMOVING BLOCKING IN MULTI-SCREEN MODE

- Just as in normal single-screen mode, programs are blocked in SPLIT screen and SEARCH screen mode (see pages 38 and 39), but blocking may be removed only from the Main picture.
  To remove blocking from a Sub picture or Search picture screen, switch to the Main picture for that channel and then remove blocking.
- When viewing in FREEZE screen (p. 38) mode, only programming on the Moving screen to the left will be blocked and the programming on the Still screen to the right will be displayed as is.



- When blocking is on during SEARCH screen mode, the screen at search picture side will be blacked out (mute) without displaying: "PROGRAM BLOCKED".

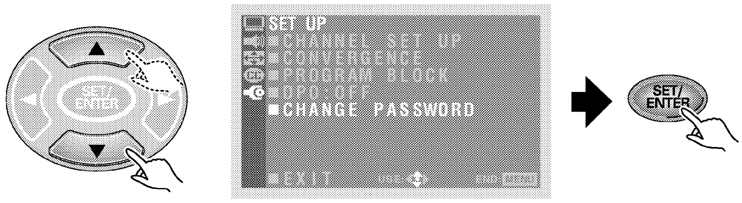
CHANGING PASSWORD


TV
POWER
INPUT
1
2
3
4
5
6
7
8
9
0
CH
VOL
RETURN
MUTING
TV/SAT/DVD
MENU
SET/ENTER
RECEIVER
Pioneer

A password must be entered to turn program blocking on and off. While the password is set to '1234' at shipping time, it is strongly recommended that the password be changed after purchase.

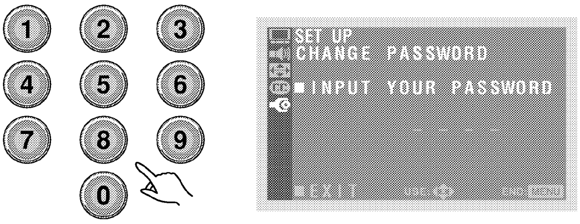
1 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ENTER. (Refer to page 24.)

2 Select CHANGE PASSWORD in the same way.


SET/ENTER
SET UP
■ CHANNEL SET UP
■ CONVERGENCE
■ PROGRAM BLOCK
■ OPC: OFF
■ CHANGE PASSWORD
■ EXIT
USE
END MENU
SET/ENTER

3 Enter current password.

- Press numeric buttons '0' through '9' to enter a four-digit password.
- If no password has been set, enter the default password of '1234'.


1
2
3
4
5
6
7
8
9
0
SET UP
CHANGE PASSWORD
■ INPUT YOUR PASSWORD
■ EXIT
USE
END

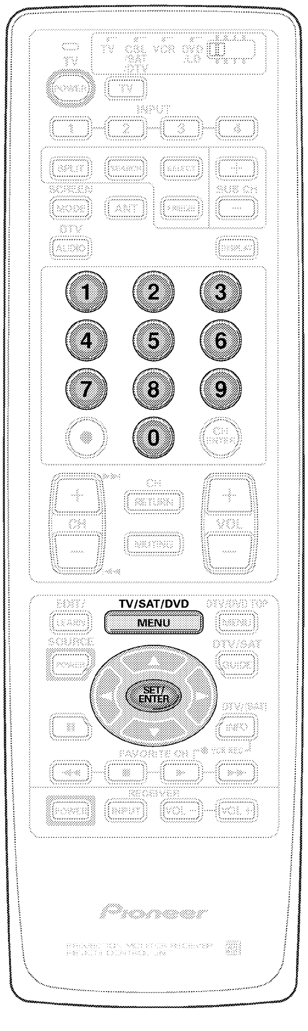
Cut along dotted line and file after reading.

If you forget the password

When the message 'INPUT YOUR PASSWORD' shown in step 3 is displayed, press the RETURN button on the front panel and hold it down for 3 seconds or longer.
The password will become "1234".

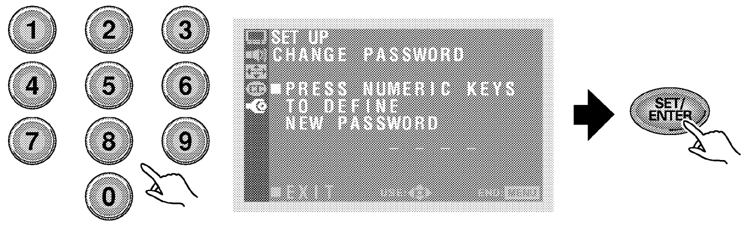
SD-582HD5 SD-532HD5

PROGRAM BLOCK password No.


TV/SAT/DVD
MENU
SET/
ENTER
Pioneer

4 Enter new password.

- Press numeric buttons '0' through '9' to enter a four-digit password and press the SET/ENTER button.

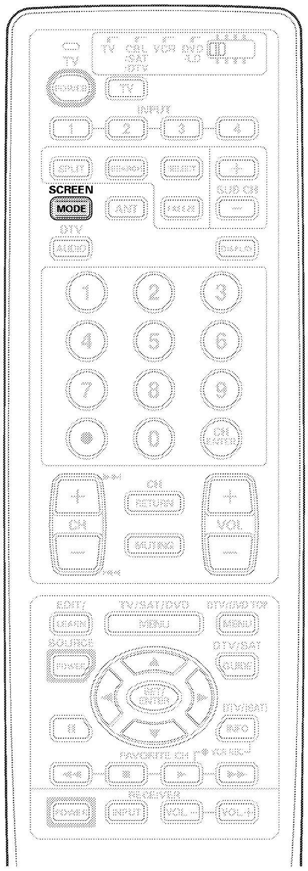

1
2
3
4
5
6
7
8
9
0
SET/
ENTER

SET UP
CHANGE PASSWORD
■PRESS NUMERIC KEYS
TO DEFINE
NEW PASSWORD
■EXIT

5 After setting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

CHANGING SCREEN SIZE



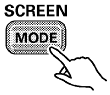
NOTES:

- *This Monitor is provided with modes to deal with screens of various aspect ratios. It is recommended that programs and software be watched in the appropriate mode.*
- *When 4:3 images are fully displayed on a wide TV screen in the NATURAL WIDE mode, CINEMA WIDE mode, ZOOM mode, or FULL mode, some parts of the images may be cut off or distorted.*
- *When 1080i or 480p component signals or RGB signals are input, SCREEN MODE will be limited to FULL.*
- *Continuous operation for extended periods in 4:3 NORMAL mode may burn out the screen. We thus recommend that this mode be used only in conjunction with another SCREEN mode.*

SETTING SCREEN MODE

The size of the picture or the picture's range projected on the screen can be changed between five screen sizes.

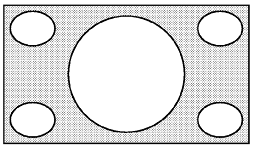
Press the SCREEN MODE button.



- Each time the SCREEN MODE button is pressed, the mode changes in the following order.

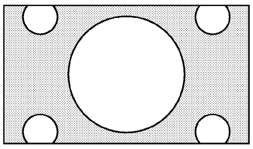
→ NATURAL WIDE ——→ CINEMA WIDE
4:3 NORMAL ←—— FULL ←—— ZOOM ←

NATURAL WIDE



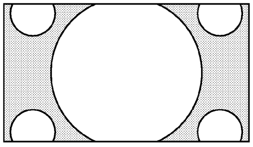
Suitable for when viewing news or sports programs. Movies or sports programs can be viewed with an expansive powerful image.

CINEMA WIDE



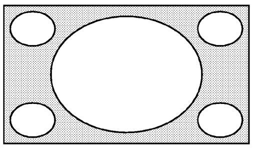
Mainly suitable for viewing Vista size and other such movie images.
Provides a more expansive, powerful image.
This screen size is convenient when viewing a Cinemascope size image that has subtitles.

ZOOM



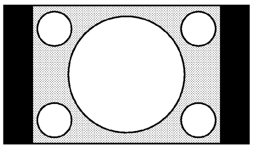
Mainly suitable for viewing Cinemascope size and other such movie images.
Provides a more expansive, powerful image.

FULL



Suitable for wide screen images.

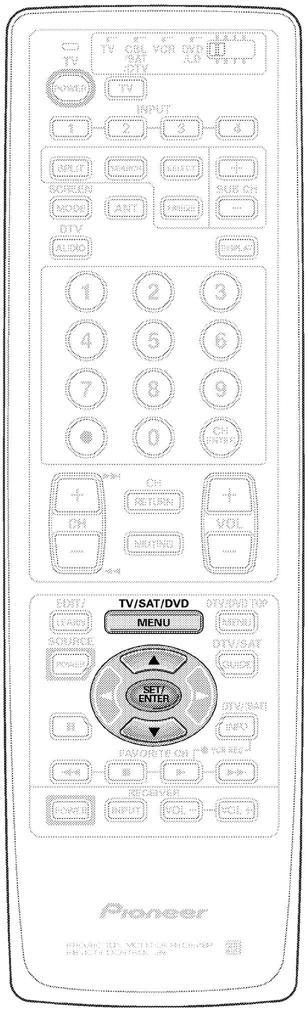
4:3 NORMAL



Suitable for when viewing news or sit coms. The video software can be viewed in its original screen frame size.

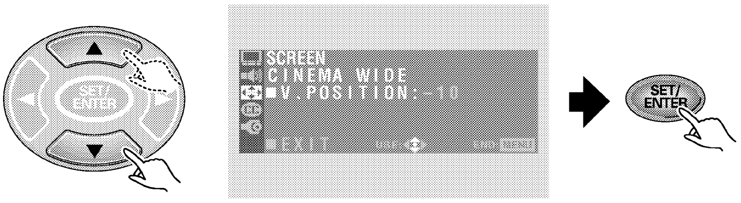
TO ADJUST THE SCREEN POSITION

In the CINEMA WIDE or ZOOM mode, the screen position can be adjusted to the top or bottom.


TV/SAT/DVD
MENU
SET/ENTER
Pioneer

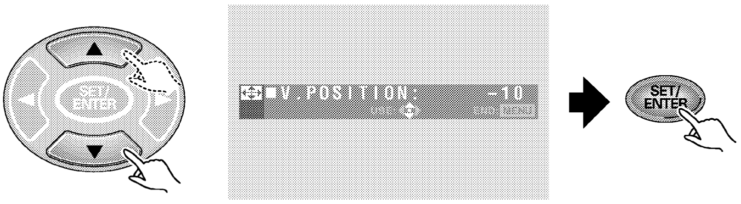
1 Press MENU and select SCREEN by using the ▲ or ▼ button and then pressing SET/ ENTER. (Refer to page 24.)

2 Select V. POSITION in the same way.


SET/ENTER
SCREEN
CINEMA WIDE
V.POSITION: -10
EXIT
SET/ENTER

3 Adjust the screen position.

- Adjustable range
  CINEMA WIDE mode : –15 to 15
  ZOOM mode : –25 to 25

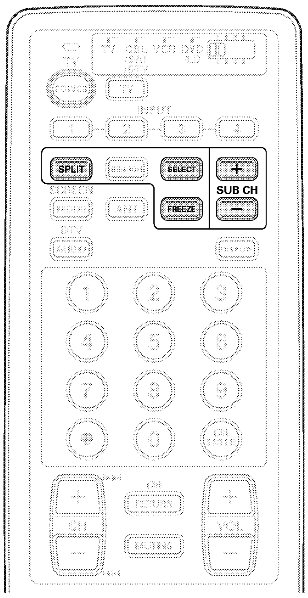

SET/ENTER
V.POSITION: -10
SET/ENTER

4 After adjusting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

NOTE:
Screen position cannot be adjusted in NATURAL WIDE, FULL, or 4:3 NORMAL mode.

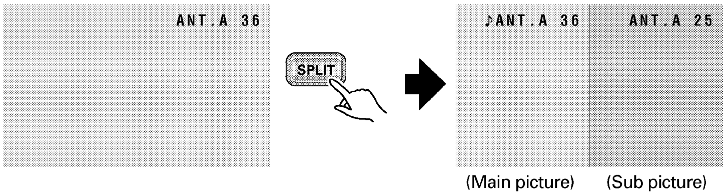
MULTI-SCREEN FUNCTION


TV
CBL
VCR
DVD
SAT
LD
DTV
TV
POWER
TV
INPUT
1
2
3
4
SPLIT
SEARCH
SELECT
+
SUB CH
−
SCREEN
MODE
ANT
FREEZE
DTV
AUDIO
DISPLAY
1
2
3
4
5
6
7
8
9
0
CH ENTER
+
CH
−
CH
RETURN
MUTING
+
VOL
−

VIEWING TWO SCREENS (SPLIT screen)

The screen can be split vertically, making it possible to view different images on the left and right.

Press the SPLIT button.

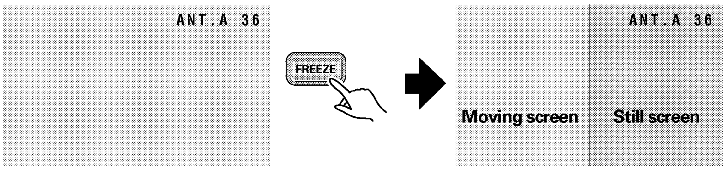

ANT.A 36
SPLIT
♪ANT.A 36
ANT.A 25
(Main picture)
(Sub picture)

- The screen on which ♪ is displayed is the main picture, and the other screen is the sub-picture. Sound will be output for the main picture.
- Regular operations can be performed on the main picture.
- When the SUB CH +,- buttons are pressed, the channel for the sub-picture will be changed.
- When the SELECT button is pressed, the ♪ will move to the other screen.
- The MONITOR OUTPUT terminal outputs the main picture signal.
- Pressing the SPLIT button again will restore the original screen.

MAKING NOTES ON PROGRAM CONTENT (FREEZE screen)

The screen can be frozen, such as for taking down a recipe from a cooking program or an address for entering a quiz or the like.

Press the FREEZE button.


ANT.A 36
FREEZE
ANT.A 36
Moving screen
Still screen

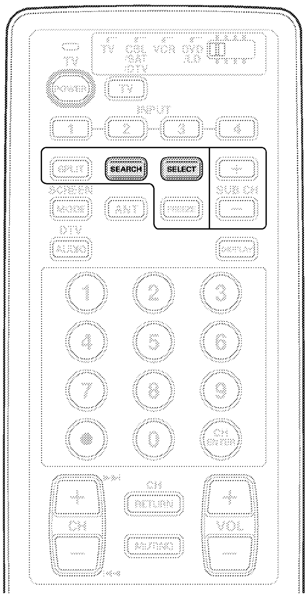
- This function is operable only with the normal screen.
- Pressing the FREEZE button again will restore the original screen.

NOTES:

- *The same image cannot be viewed as both the main picture and the sub-picture.*
- *Pressing the MENU button in SPLIT or FREEZE screen mode restores the screen display to normal and displays the menu on screen.*
- *These functions cannot be used when INPUT 1 or INPUT 2 is receiving a 1080i or 480p component signal (or the signals might not be received or noise might be generated).*
- *When a TV broadcast is being received, the screen on the right will not show the antenna B signal.*
- *RGB signals input from INPUT3 cannot be displayed.*
- *Continuous operation for extended periods in SPLIT or FREEZE screen mode may burn out the screen. We thus recommend that these modes only be used in conjunction with the normal screen mode.*
- *If the non-interlace signal for a TV game etc. is entered to the left screen during SPLIT screen mode, the right screen may be disrupted. If this occurs, use the right screen for TV game etc. entry.*

SEARCHING FOR A PROGRAM ON A DIFFERENT CHANNEL (SEARCH screen)

The screen on the right side can be made into nine or three different screens, making it possible to search for programs or enjoy multiple images.

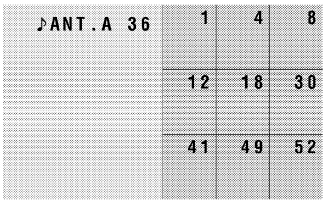

TV
CBL
SAT
VCR
DVD
LD
DTV
POWER
TV
INPUT
1
2
3
4
SPLIT
SEARCH
SELECT
SCREEN
MODE
ANT
FREEZE
SUB CH
DTV
AUDIO
DISPLAY
1
2
3
4
5
6
7
8
9
0
CH ENTER
CH
RETURN
VOL

Press the SEARCH button.

- Each time the SEARCH button is pressed, the screen mode changes in the following order.

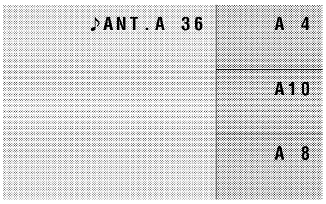
→ Normal screen/SPLIT screen →
3-SEARCH screen ← 9-SEARCH screen ←

① 9-SEARCH screen


♪ANT.A 36
1
4
8
12
18
30
41
49
52
Main picture
Search picture

- On the search picture, the antenna A preset channel (see page 26) will be displayed as a frozen image. If 9 or more channels have been preset, the screens will automatically be switched and displayed.
- The search picture cannot be operated.
- If the channel or input source is changed, SEARCH screen mode will turn off.

② 3-SEARCH screen

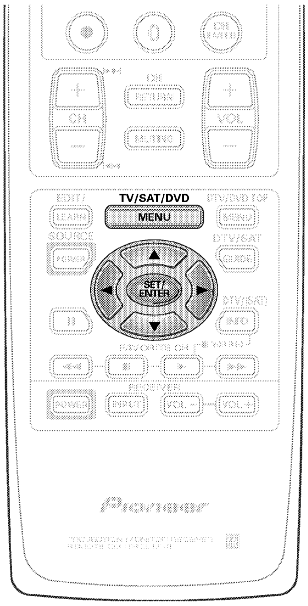

♪ANT.A 36
A 4
A10
A 8
Main picture
Search picture

- Press the SELECT button to select image that you wish to switch the channel or input source to. When the color of the channel or input indicator changes to yellow, screen operations can be performed. (Use only the selector buttons, direct channel selection buttons and CH +,- buttons.)
- Sound output is limited to the main picture.

- *Pressing the MENU button in SEARCH screen mode restores the screen display to normal and displays the menu on screen.*
- *These functions cannot be used when INPUT 1 or INPUT 2 is receiving a 1080i or 480p component signal (or the signals might not be received or noise might be generated).*
- *RGB signals input from INPUT3 cannot be displayed.*
- *Continuous operation for extended periods in SEARCH screen mode may burn out the screen. We thus recommend that these modes only be used in conjunction with the normal screen mode.*
- *The only channels displayed on the SEARCH screen will be those with input signals input from antenna A. Antenna B channels cannot be displayed on this screen.*
- *If the non-interlace signal for a TV game etc. is entered to the left screen during 9-SEARCH screen or 3-SEARCH screen modes, the screen may be disrupted.*

CLOSED CAPTION DECODE FUNCTION

The closed caption broadcasting multiplexes caption signals (character information) in the video signal to allow the displaying of characters on the screen. This unit incorporates a closed caption decoder which allows, with the use of the remote control unit, to display character information when receiving character-multiplexed broadcasting signals (closed caption broadcasting) or playing a video cassette or Video Disc with the CC mark etc..

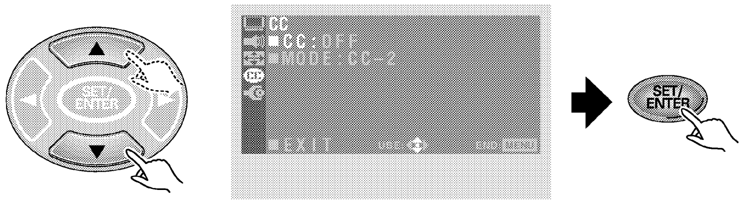

TV/SAT/DVD
MENU
SET/ENTER
Pioneer

NOTES:

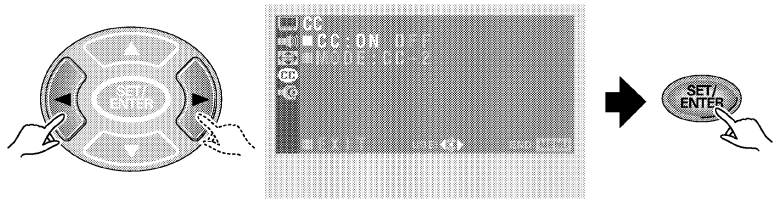
- *When a video cassette or Video Disc carrying the CC mark etc. is played, the closed caption signal may not be output depending on the VCR or Video disc player.*
- *During TV broadcast reception, closed caption signal may not be decoded properly if the receiving broadcast signal is weak.*
- *Closed caption signal may not be decoded properly depending on the recording condition of the video cassette tape.*
- *The character information will not be displayed while the menu is displayed. To turn on the character information, press the MENU button and turn off the MENU.*
- *This function cannot be used when 1080i or 480p component signals are input.*

1 Press MENU and select CC by using the ▲ or ▼ button and then pressing SET/ ENTER. (Refer to page 24.)

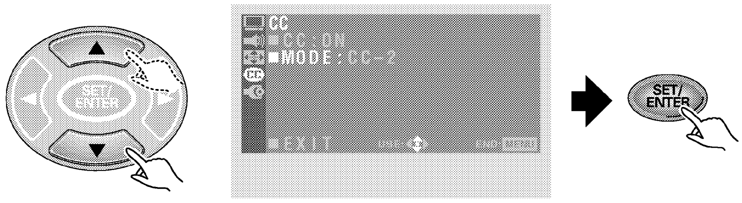
2 Select CC in the same way.


SET/ENTER
CC
■CC:OFF
■MODE:CC-2
■EXIT
USE:
END:MENU
SET/ENTER

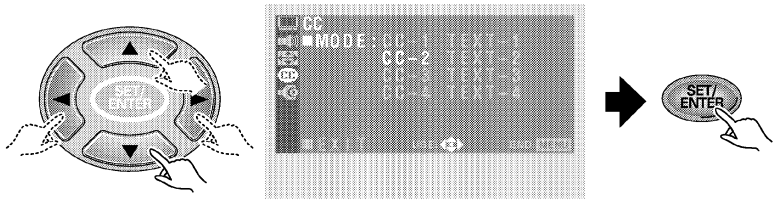
3 Set CC to ON.


SET/ENTER
CC
■CC:ON OFF
■MODE:CC-2
■EXIT
USE:
END:MENU
SET/ENTER

4 Select MODE .


SET/ENTER
CC
CC:ON
■MODE:CC-2
■EXIT
USE:
END:MENU
SET/ENTER

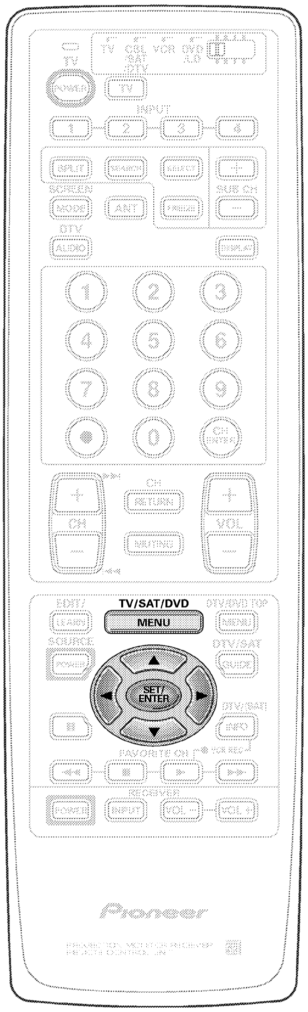
5 Select the desired CC (Closed Caption CC-1 to CC-4) or TEXT (TEXT-1 to TEXT-4).


SET/ENTER
CC
■MODE:CC-1 TEXT-1
CC-2 TEXT-2
CC-3 TEXT-3
CC-4 TEXT-4
■EXIT
USE:
END:MENU
SET/ENTER

6 After setting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

CHANGING CHANNEL SET UP



TO ADD OR DELETE PRESET CHANNELS

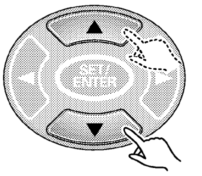
Broadcast stations preset by auto channel preset which are unnecessary can be deleted. Broadcast stations to be watched that were not preset by auto channel preset can be preset.

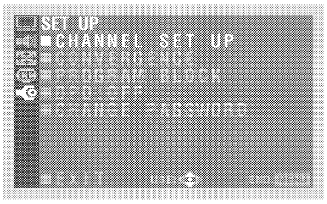
ADD	Manually presets channels that were not preset by AUTO CHANNEL PRESET.
DEL	Deletes channels that are not required for reception. The deleted channels can be skipped when selecting channels with the + and – CH (channel) buttons.

- Perform the following after completing AUTO CHANNEL PRESET.

1 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ENTER. (Refer to page 24.)

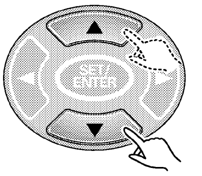
2 Select CHANNEL SET UP in the same way.

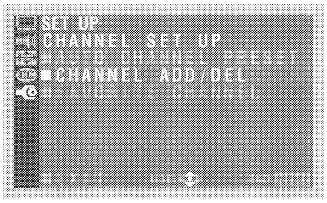


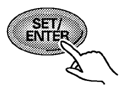

SET UP
■CHANNEL SET UP
■CONVERGENCE
■PROGRAM BLOCK
■DPD:OFF
■CHANGE PASSWORD
■EXIT USE END MENU

➡

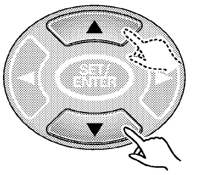
3 Select CHANNEL ADD/DEL .

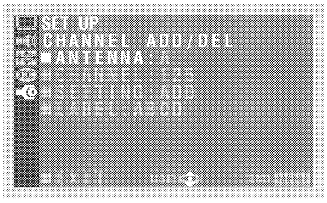



SET UP
CHANNEL SET UP
■AUTO CHANNEL PRESET
■CHANNEL ADD/DEL
■FAVORITE CHANNEL
■EXIT USE END MENU

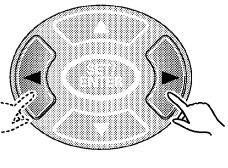
➡ 

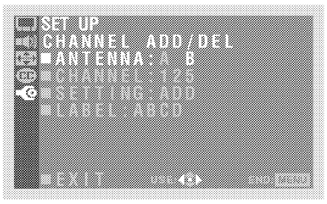
4 Select ANTENNA , then select A or B.

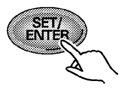


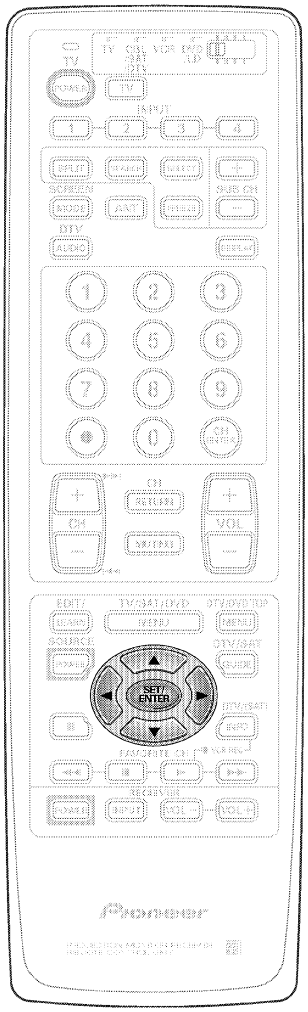

SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:125
■SETTING:ADD
■LABEL:ABCD
■EXIT USE END MENU

➡

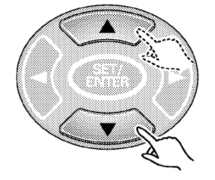


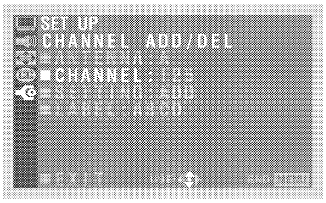

SET UP
CHANNEL ADD/DEL
■ANTENNA:A B
■CHANNEL:125
■SETTING:ADD
■LABEL:ABCD
■EXIT USE END MENU

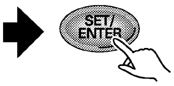
➡ 

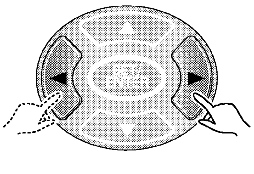

TV
POWER
INPUT
SET/ENTER
Pioneer

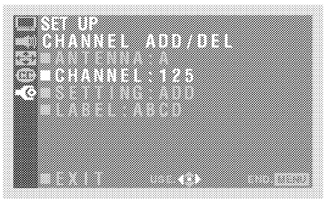
5 Select CHANNEL , then select a channel.

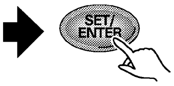



SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:125
■SETTING:ADD
■LABEL:ABCD
■EXIT USE: ⇕ END: MENU

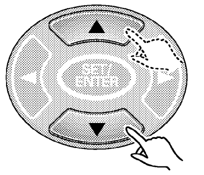


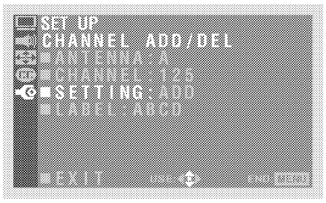


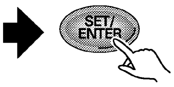

SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:125
■SETTING:ADD
■LABEL:ABCD
■EXIT USE: ⇔ END: MENU

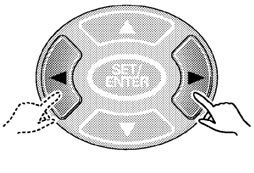


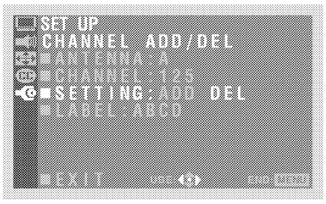
6 Select SETTING , then select ADD (addition) or DEL (deletion).

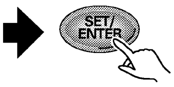


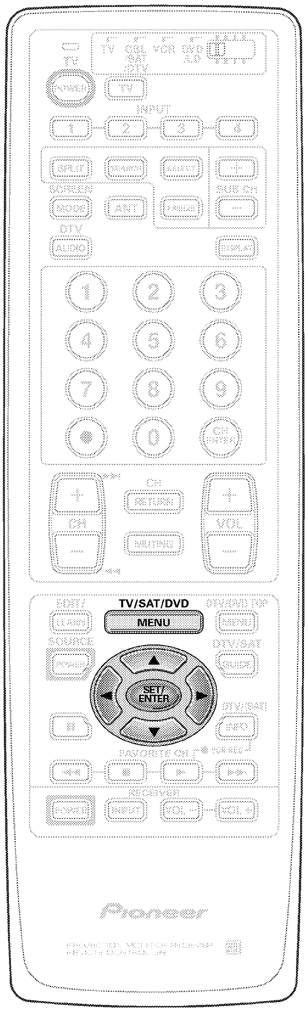

SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:125
■SETTING:ADD
■LABEL:ABCD
■EXIT USE: ⇕ END: MENU





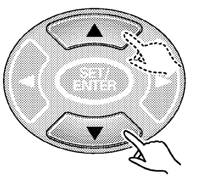

SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:125
■SETTING:ADD DEL
■LABEL:ABCD
■EXIT USE: ⇔ END: MENU

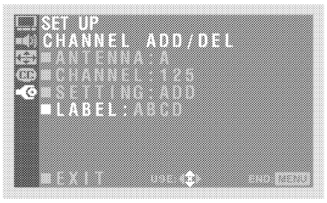



TV/SAT/DVD
MENU
SET/
ENTER

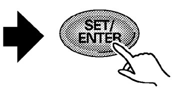
7 Select LABEL and input the label characters.

- When ADD has been selected in step 6, a label of 4 characters can be input for the added channel.





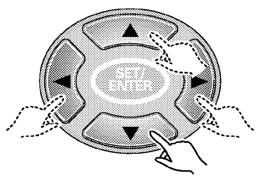
SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:125
■SETTING:ADD
■LABEL:ABCD
■EXIT

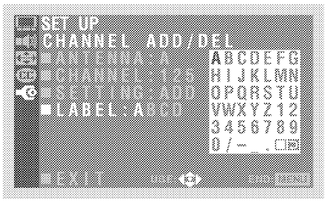


- Input the first character.

  When ☐ is selected, a space can be input.

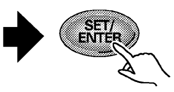
  When ↲ is selected and input, label character input mode will terminate.





SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:125
■SETTING:ADD
■LABEL:ABCD
■EXIT

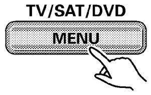
ABCDEFG
HIJKLMN
OPQRSTU
VWXYZ12
3456789
0/-.☐↲

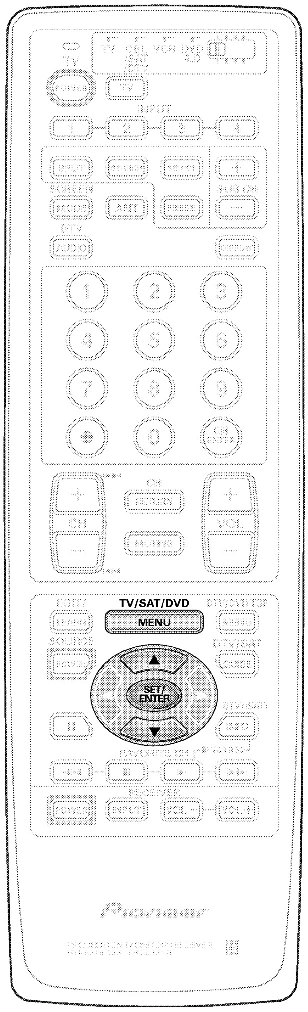


- Input the second to fourth characters as well.

8 Repeat steps 4 to 7 to add and delete other channels.

9 After setting, press MENU to turn the menu off.


TV/SAT/DVD
MENU

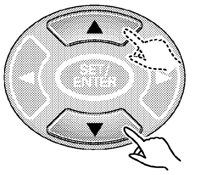

TV/SAT/DVD
MENU
SET/ENTER
Pioneer

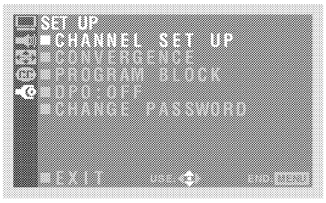
FAVORITE CHANNEL SET UP

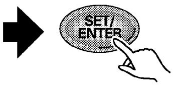
Assigning your favorite channels to the four buttons (blue, green, red and yellow) on the remote control unit makes it easy to call them up. Four channels can be assigned to each button, making it possible to set a total of 16 channels.

1 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ENTER. (Refer to page 24.)

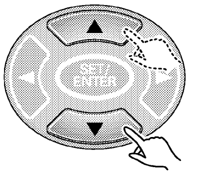
2 Select CHANNEL SET UP in the same way.

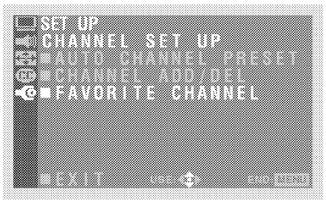


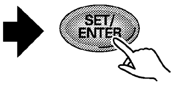

SET UP
■CHANNEL SET UP
■CONVERGENCE
■PROGRAM BLOCK
■DPO:OFF
■CHANGE PASSWORD
■EXIT
USE
END MENU



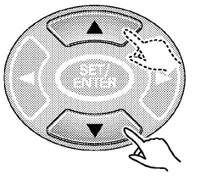
3 Select FAVORITE CHANNEL .

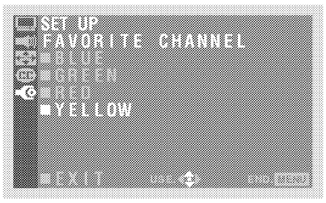


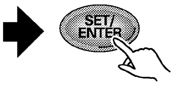

SET UP
CHANNEL SET UP
■AUTO CHANNEL PRESET
■CHANNEL ADD/DEL
■FAVORITE CHANNEL
■EXIT
USE
END MENU



4 Select the color of the button you wish to set.

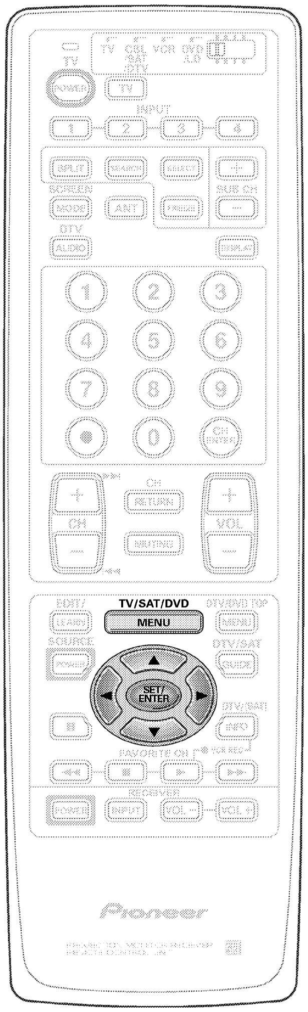



SET UP
FAVORITE CHANNEL
■BLUE
■GREEN
■RED
■YELLOW
■EXIT
USE
END MENU

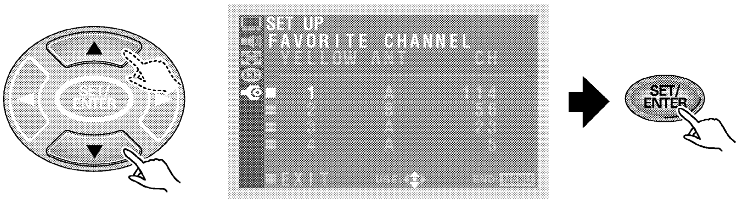


NOTE:

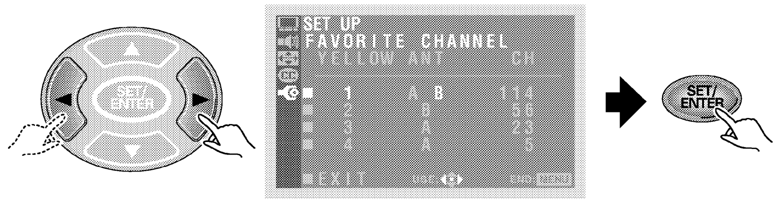
A channel set for DEL with CHANNEL ADD/DEL (page 41) cannot be set as a FAVORITE CHANNEL.


TV/SAT/DVD
MENU
SET/ENTER

5 Select number.

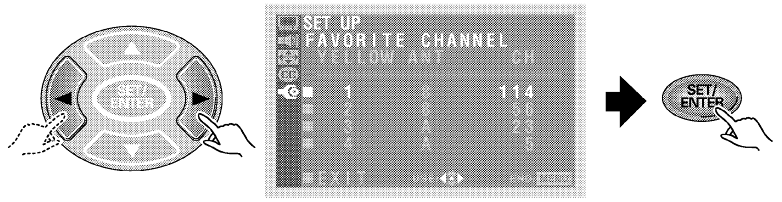

SET UP
FAVORITE CHANNEL
YELLOW ANT CH
1 A 114
2 B 56
3 A 23
4 A 5
EXIT
SET/ENTER

6 Select antenna.


SET UP
FAVORITE CHANNEL
YELLOW ANT CH
1 A B 114
2 B 56
3 A 23
4 A 5
EXIT
SET/ENTER

- If you made a mistake during setting, press SET to select the incorrect entry and set it correctly.

7 Select the channel.


SET UP
FAVORITE CHANNEL
YELLOW ANT CH
1 B 114
2 B 56
3 A 23
4 A 5
EXIT
SET/ENTER

8 To set another number, repeat steps 5 to 7.

To set a button of a different color, repeat steps 4 to 7.

- To return to step 4, press either the ▲ or the ▼ button to select EXIT and then press the SET/ENTER button.

9 After setting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

BASIC FUNCTIONS

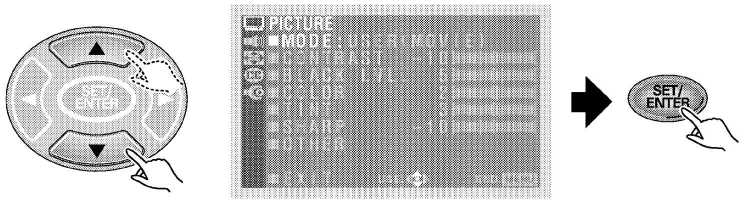
PICTURE ADJUSTMENTS

This device has three types of picture quality settings in memory. You can select your favorite from them or set the picture quality you desire and store it in memory.

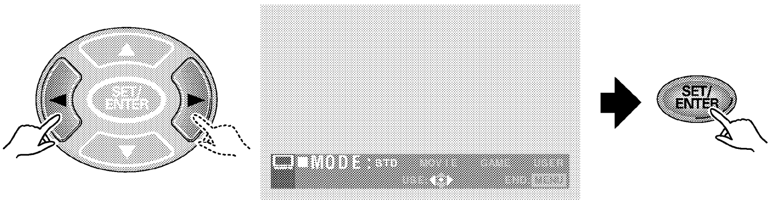
RECALL THE DESIRED SETTINGS

1 Press MENU and select PICTURE by using the ▲ or ▼ button and then pressing SET/ENTER. (Refer to page 24.)

2 Select MODE in the same way.


SET/ENTER
PICTURE
MODE : USER(MOVIE)
CONTRAST 10
BLACK LVL. 5
COLOR 2
TINT 3
SHARP -10
OTHER
EXIT
SEL.
END MENU
SET/ENTER

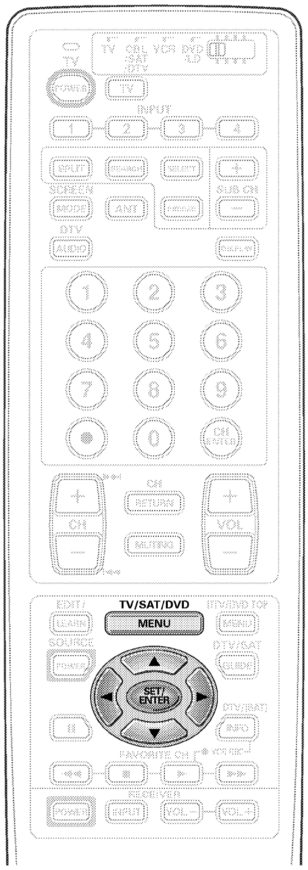
3 Select the desired setting.


SET/ENTER
MODE : STD MOVIE GAME USER
SEL.
END MENU
SET/ENTER

STD	Sets standard picture quality.
MOVIE	Reduces contrast making dark images easier to see. Effective for movies that have many dark images such as night scenes etc..
GAME	Lowers the relative contrast of TV game and personal computer images to minimize discomfort to the eyes. This will minimize bad effects such as discolored spots or stains on the CRT of the Monitor.
USER	Calls up the picture quality the user has set. See page 47 for setting.

4 After setting, press MENU to turn the menu off.

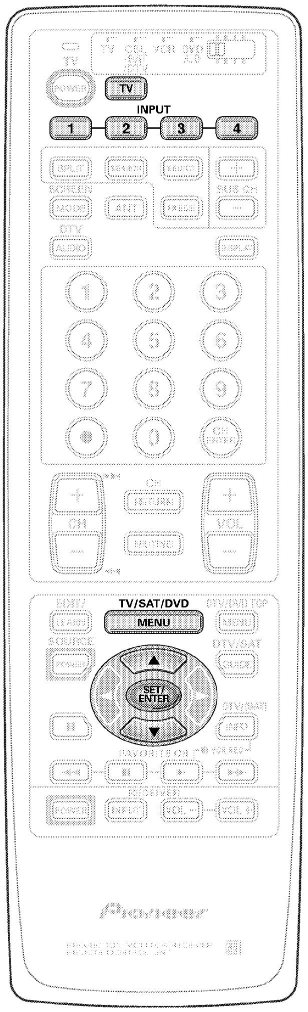
TV/SAT/DVD
MENU


TV
CBL
VCR
DVD
SAT
DTV
POWER
INPUT
SCREEN
SUB CH
DTV
CH
RETURN
VOL
MUTING
EDIT
LEARN
SOURCE
TV/SAT/DVD
MENU
SET/ENTER
FAVORITE CH
RECEIVER

NOTE:
MOVIE or GAME mode may not be selected when receiving RGB input.

NOTES on GAME mode setting:

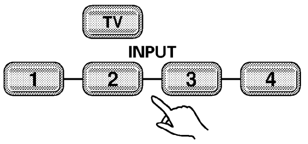
- *We do not recommend the use of the Monitor for video games, still pictures, or computers due to the potential damage to the CRTs. In the event a consumer needs to use these devices for a short period of time, the GAME mode will minimize potential damage to the CRTs by lowering the relative contrast.*
- *All signals output from the Projection Monitor will be unaffected. Only the original output signal is sent through the output jacks.*


TV
INPUT
1
2
3
4
TV/SAT/DVD
MENU
SET/ENTER
Pioneer

STORING THE SET PICTURE QUALITY IN MEMORY

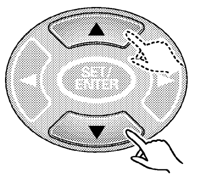
USER mode can be set for each input source: TV and INPUT 1 to INPUT 4.

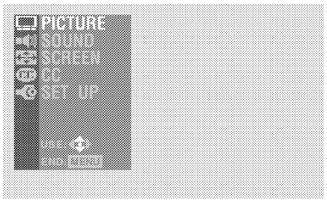
1 Select the input source and show the image on the screen.

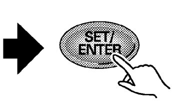

TV
INPUT
1
2
3
4

If VCR or DVD/LD has been selected, start playback for the relevant device.

2 Press MENU and select PICTURE .

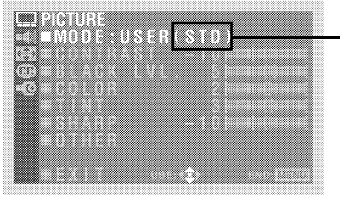



PICTURE
SOUND
SCREEN
CC
SET UP
USE:
END: MENU



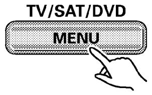
3 Adjust the desired picture quality. (Refer to steps 2 and 3 on page 48.)

- If any mode (STD, MOVIE, or GAME) is adjusted, USER mode will be entered.
- The last mode that was adjusted will become the USER sub mode (indicated in parentheses).
- A USER mode can be stored for TV and the four input sources.


PICTURE
MODE : USER (STD)
CONTRAST
BLACK LVL 5
COLOR 2
TINT 3
SHARP -10
OTHER
EXIT
USE:
END: MENU

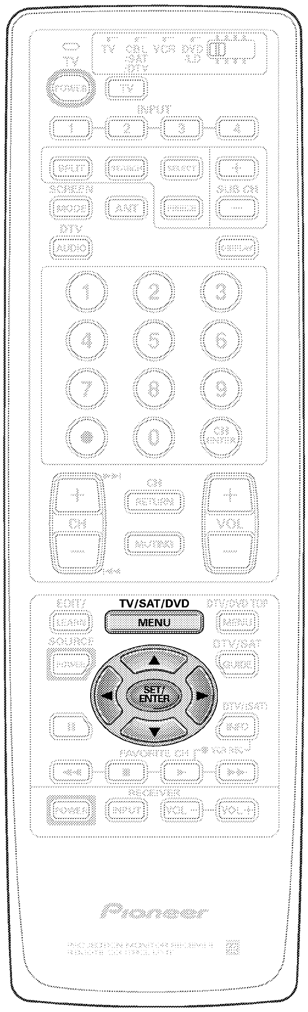
Indicates the adjusted picture quality setting that is the base for USER mode.

4 After adjusting, press MENU to turn the menu off.


TV/SAT/DVD
MENU

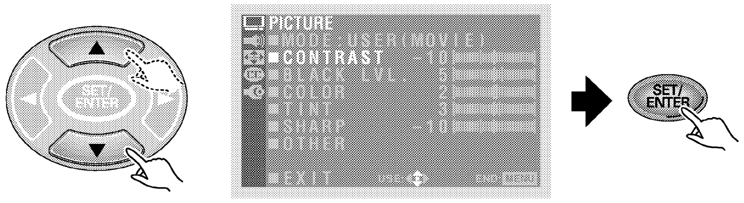
TO ADJUST THE PICTURE QUALITY

The CONTRAST, BLACK LEVEL (brightness), COLOR, TINT and SHARP (sharpness) can be adjusted.


TV
TV CBL VCR DVD
/SAT LD
DTV
POWER
TV
INPUT
1 2 3 4
SPLIT SEARCH SELECT
SCREEN SUB CH
MODE ANT FREEZE
DTV
AUDIO DISPLAY
1 2 3
4 5 6
7 8 9
0
CH ENTER
CH
RETURN
VOL
MUTING
EDIT/ TV/SAT/DVD DTV/DVD TOP
MENU
SOURCE DTV/SAT
GUIDE
SET/ ENTER
INFO
FAVORITE CH
RECEIVER
POWER INPUT VOL - VOL +
Pioneer

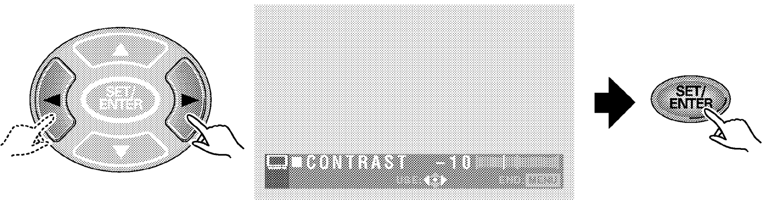
1 Press MENU and select PICTURE. (Refer to page 24.)

2 Select the adjustment item.


SET/ ENTER
PICTURE
MODE : USER(MOVIE)
CONTRAST -10
BLACK LVL. 5
COLOR 2
TINT 3
SHARP -10
OTHER
EXIT
SEL
END MENU
SET/ ENTER

3 Adjust by pressing ◄ or ►.

- The adjusting range is –30 to 30.
- The numerical value comes down to press ◄ and comes up to press ►.

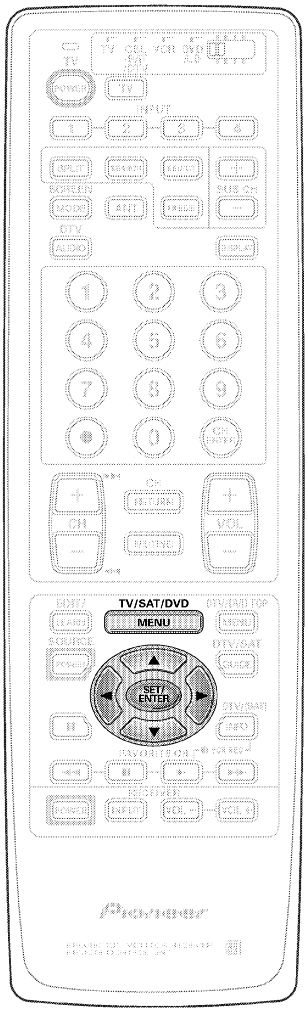

SET/ ENTER
CONTRAST -10
SEL
END MENU
SET/ ENTER

- The set picture quality will be stored in memory as USER mode (see page 47).
- Repeat steps 2 and 3 for other items.

4 After adjusting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

NOTES:
- *The COLOR, TINT, and SHARP settings may not be changed when receiving RGB input.*
- *When DPO is on, CONTRAST, BLACK LEVEL and COLOR cannot be adjusted. (See page 56.)*
- *When picture quality has been adjusted, the user mode data will be overwritten with the new settings.*


TV
POWER
TV
CBL
SAT
DTV
VCR
DVD
LD
INPUT
1
2
3
4
SPLIT
SEARCH
SELECT
SCREEN
MODE
ANT
FREEZE
SUB CH
DTV
AUDIO
DISPLAY
1
2
3
4
5
6
7
8
9
0
CH ENTER
CH
RETURN
VOL
MUTING
TV/SAT/DVD
MENU
SET/ENTER
Pioneer

NOTE:
Only the COLOR TEMP settings may be changed when receiving RGB input.

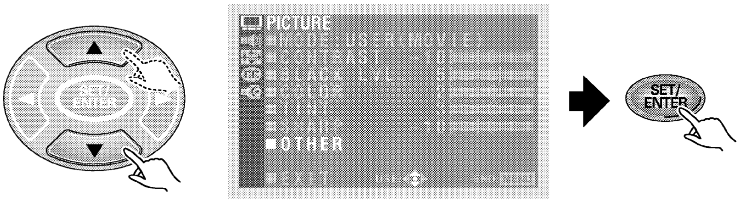
OTHER PICTURE QUALITY ADJUSTMENTS

The following four fine adjustments are available.

① 3D Y/C LEVEL
② 3D NR LEVEL
③ COLOR TEMP (Color Temperature)
④ FLESH TONE

1 Press MENU and select PICTURE. (Refer to page 24.)

2 Select OTHER.

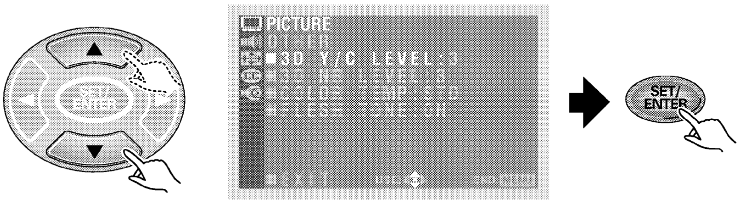

SET/ENTER
PICTURE
MODE : USER(MOVIE)
CONTRAST -10
BLACK LVL 5
COLOR 2
TINT 3
SHARP -10
OTHER
EXIT
SET/ENTER

3 ① To adjust 3D Y/C LEVEL

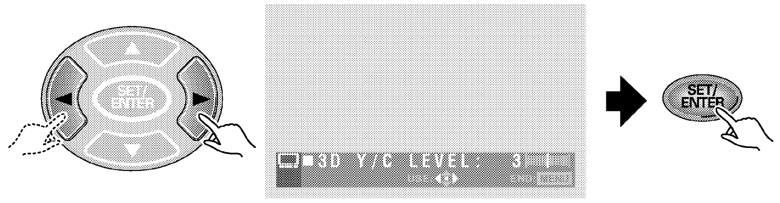
Perform this adjustment when noises appear at the color borders of the image.

NOTE:
This function can be used only when viewing a source that has been connected to the antenna or composite video input terminal.

Select 3D Y/C LEVEL.

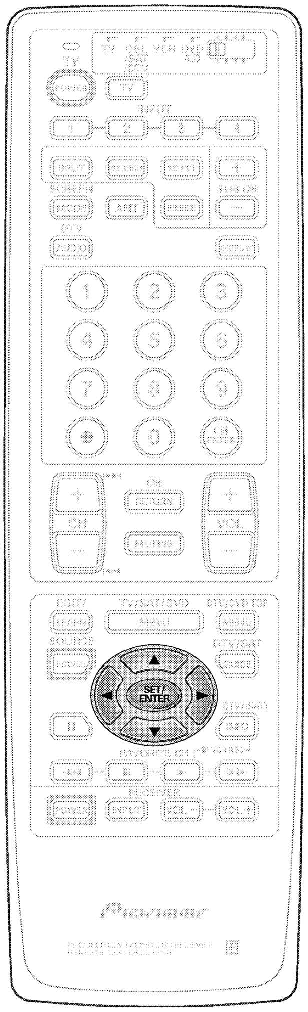

SET/ENTER
PICTURE
OTHER
3D Y/C LEVEL : 3
3D NR LEVEL : 3
COLOR TEMP : STD
FLESH TONE : ON
EXIT
SET/ENTER

Select the desired level.


SET/ENTER
3D Y/C LEVEL : 3
SET/ENTER

1 <—> 2 <—> 3 <—> 4 <—> 5

Suitable for software using dynamic images	Suitable for software using still images

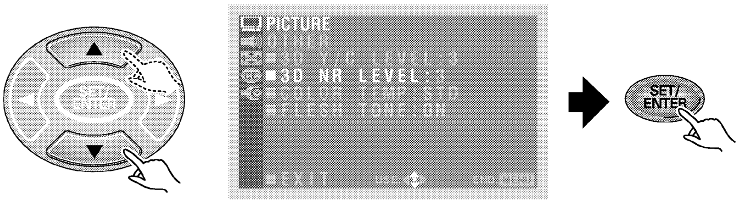

TV
TV CBL VCR DVD
POWER
INPUT
SPLIT
SCREEN
MODE
ANT
DTV
AUDIO
DISPLAY
1 2 3 4 5 6 7 8 9 0
CH ENTER
CH
VOL
RETURN
MUTING
MENU
GUIDE
SET/ENTER
INFO
FAVORITE CH
RECEIVER
POWER
INPUT
VOL
Pioneer

② To adjust 3D NR LEVEL

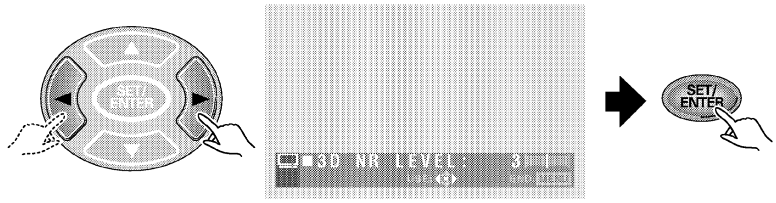
Reduces the noise level of the luminance and chrominance signals when there is S-VIDEO input.

NOTE:
This function can be used only when viewing a source that has been connected to the S-VIDEO input terminal.

Select 3D NR LEVEL .


SET/ENTER
PICTURE
OTHER
■3D Y/C LEVEL:3
■3D NR LEVEL:3
■COLOR TEMP:STD
■FLESH TONE:ON
■EXIT
USE
END MENU
SET/ENTER

Select the desired level.


SET/ENTER
■3D NR LEVEL: 3
USE
END MENU
SET/ENTER

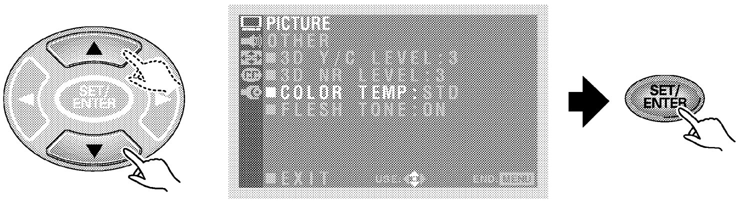
1 ⟷ 2 ⟷ 3 ⟷ 4 ⟷ 5

Low noise reduction High noise reduction

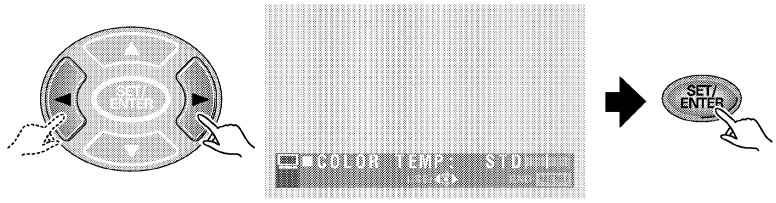
③ To adjust COLOR TEMPERATURE

This function enables the image to be set to five different tones.

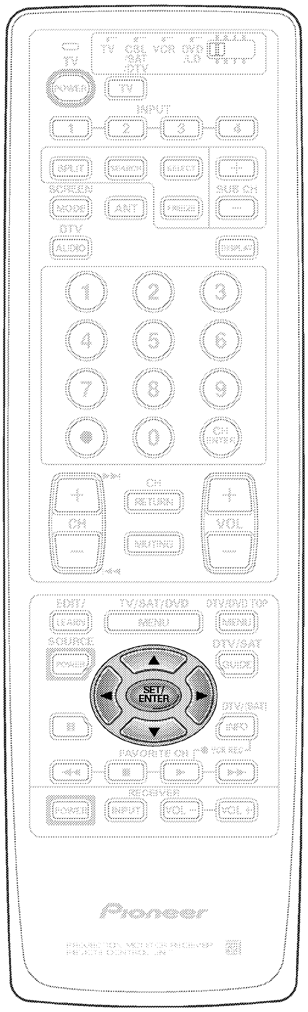
Select COLOR TEMP .


SET/ENTER
PICTURE
OTHER
■3D Y/C LEVEL:3
■3D NR LEVEL:3
■COLOR TEMP:STD
■FLESH TONE:ON
■EXIT
USE
END MENU
SET/ENTER

Select the desired tone of the image.


SET/ENTER
■COLOR TEMP: STD
USE
END MENU
SET/ENTER

NEWS ...... Coolest color
LIVE .... Cooler color
STD .... Normal color
FILM .... Warmer color
B&W .... Warmest color



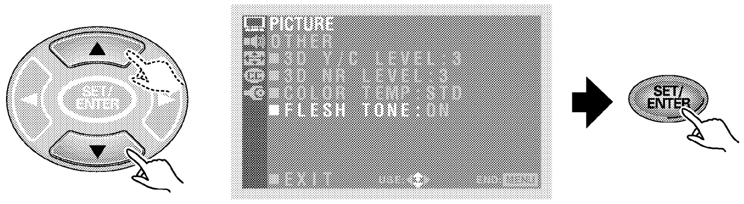
④ To adjust FLESH TONE

By the time video signals from a broadcast station arrive at your projection monitor (on air or cable TV), they have experienced significant degradation.

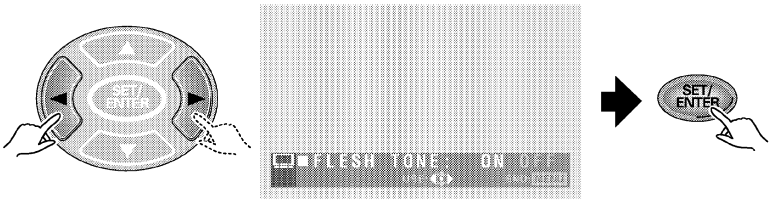
Flesh tone reduces color noise, improves color uniformity and corrects unnatural flesh tones to give your natural images.

NOTE:
This function cannot be used when 1080i or 480p component signals have been input.

Select FLESH TONE .


PICTURE
OTHER
■3D Y/C LEVEL:3
■3D NR LEVEL:3
■COLOR TEMP:STD
■FLESH TONE:ON
■EXIT

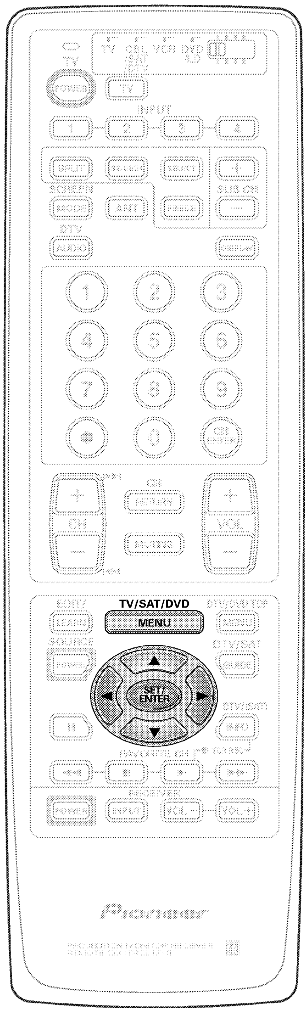
Set FLESH TONE to ON.


■FLESH TONE: ON OFF

4 After setting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

SOUND ADJUSTMENTS


TV/SAT/DVD
MENU
SET/ENTER
Pioneer

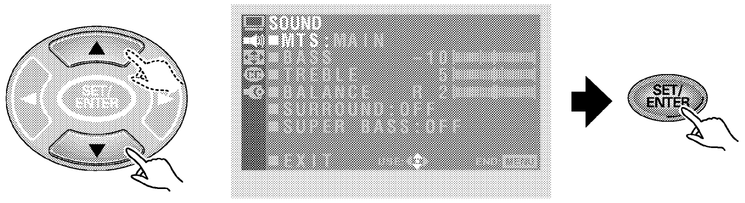
NOTES:
- *This function can only be used for TV input.*
- *Broadcast stereo and SAP reception operate in accordance with the Broadcast Television System Committee (BTSC) standard only. Stereo audio transmission from CATV system can vary from area and may not be compatible with the BTSC standards. Check with your local cable company for specific compatibility requirements.*

WATCHING STEREO AND BILINGUAL PROGRAMS

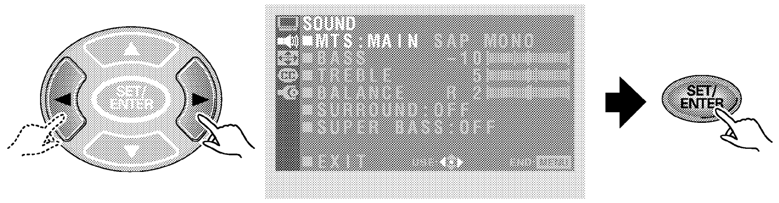
The multichannel TV sound (MTS) decoder enables stereo program and Second Audio Program (SAP) to be received. (SAP is often used for a second language). This MTS decoder can only be used if a broadcast of stereo program or SAP is received.

1 Press MENU and select SOUND by using the ▲ or ▼ button and then pressing SET/ ENTER. (Refer to page 24.)

2 Select MTS in the same way.

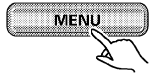

SET/ENTER
SOUND
MTS : MAIN
BASS -10
TREBLE 5
BALANCE R 2
SURROUND : OFF
SUPER BASS : OFF
EXIT
USE:
END: MENU
SET/ENTER

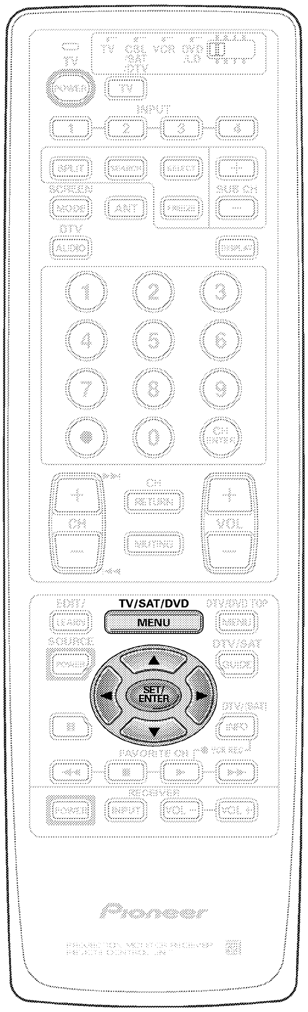
3 Select the desired audio mode.


SET/ENTER
SOUND
MTS : MAIN SAP MONO
BASS -10
TREBLE 5
BALANCE R 2
SURROUND : OFF
SUPER BASS : OFF
EXIT
USE:
END: MENU
SET/ENTER

→MAIN←→SAP←→MONO←

4 After setting, press MENU to turn the menu off.


TV/SAT/DVD
MENU

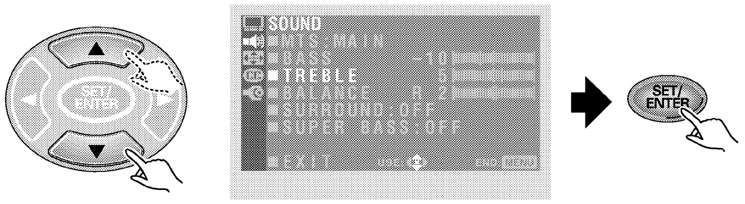

TV
TV CBL VCR DVD
/SAT LD
DTV
POWER
INPUT
1 2 3 4
SPLIT SEARCH SELECT
SCREEN SUB CH
MODE ANT FREEZE
DTV
AUDIO DISPLAY
1 2 3
4 5 6
7 8 9
0
CH ENTER
CH
RETURN
VOL
MUTING
EDIT/ TV/SAT/DVD DTV/SAT/DVD TOP
LEARN MENU MENU
SOURCE DTV/SAT
POWER GUIDE
SET/ ENTER
DTV/SAT
INFO
FAVORITE CH
RECEIVER
POWER INPUT VOL– VOL+
Pioneer

TO ADJUST THE SOUND QUALITY

BASS, TREBLE and BALANCE can be adjusted.

1 Press MENU and select SOUND . (Refer to page 24.)

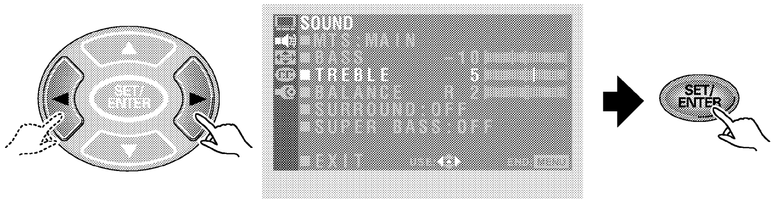
2 Select the adjustment item.


SET/ ENTER
SOUND
MTS:MAIN
BASS -10
TREBLE 5
BALANCE R 2
SURROUND:OFF
SUPER BASS:OFF
EXIT
USE
END MENU
SET/ ENTER

3 Adjust by pressing ◄ or ►.

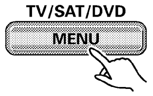
- Adjustable range

BASS, TREBLE	: –30 to 30
BALANCE	: L (Left) 30 to R (Right) 30


SET/ ENTER
SOUND
MTS:MAIN
BASS -10
TREBLE 5
BALANCE R 2
SURROUND:OFF
SUPER BASS:OFF
EXIT
USE
END MENU
SET/ ENTER

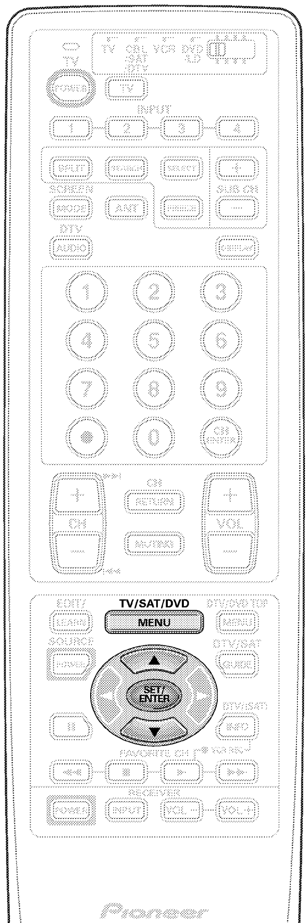
- Repeat steps 2 and 3 for other items.

4 After adjusting, press MENU to turn the menu off.


TV/SAT/DVD
MENU

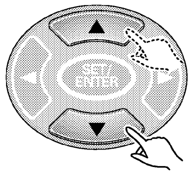
TO SELECT THE DESIRED SURROUND MODE

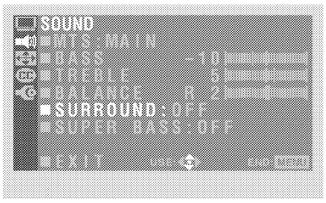
Surround can be selected as desired.

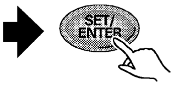

TV/SAT/DVD
MENU
SET/ENTER
Pioneer

1 Press MENU and select SOUND. (Refer to page 24.)

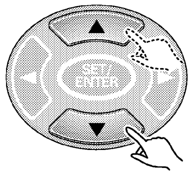
2 Select SURROUND.

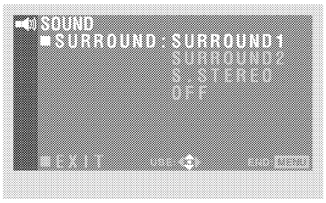


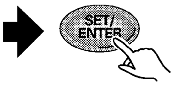

SOUND
MTS : MAIN
BASS -10
TREBLE 5
BALANCE R 2
SURROUND : OFF
SUPER BASS : OFF
EXIT
MENU



3 Select the desired SURROUND mode.




SOUND
SURROUND : SURROUND1
SURROUND2
S. STEREO
OFF
EXIT
MENU



SURROUND1	This is an easy way to enjoy SURROUND during a musical program.
SURROUND2	This is a way to enjoy powerful SURROUND during a movie.
S. STEREO (Simulated STEREO)	This function transforms monaural signals into simulated stereo sound. Use it when you wish to experience a sense of stereo presence when listening to monaural signal sources.
OFF	Turns off the surround effect.

4 After setting, press MENU to turn the menu off.

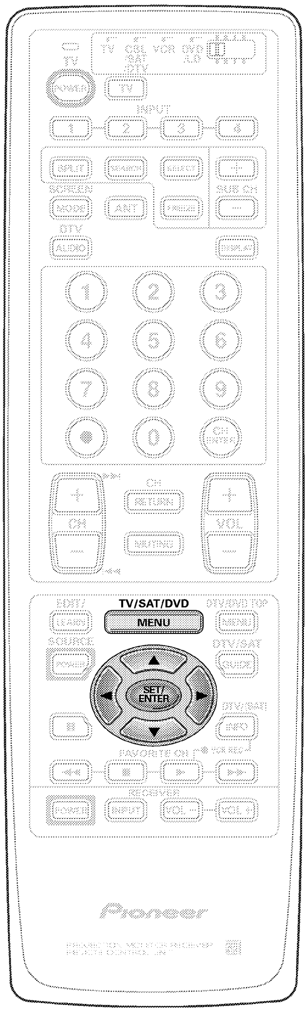
TV/SAT/DVD
MENU

NOTES:

- *The surround effect cannot be obtained with mono sound.*
- *In some cases, the surround effect may be minimal.*

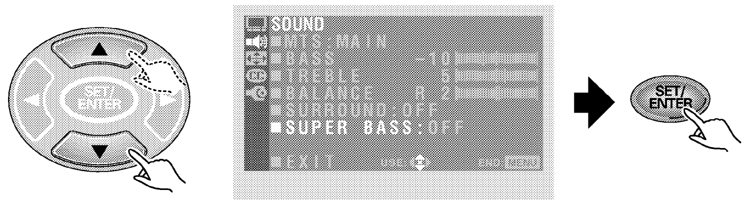
TO ADJUST SUPER BASS

Use this function to enjoy powerful bass sounds.


TV/SAT/DVD
MENU
SET/ENTER
Pioneer

1 Press MENU and select SOUND . (Refer to page 24.)

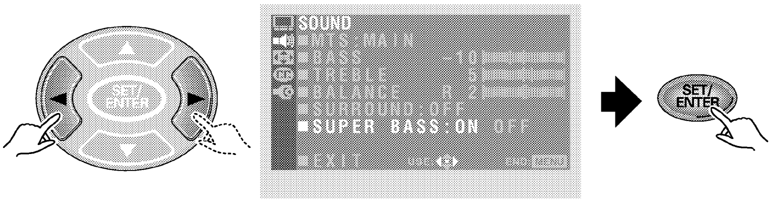
2 Select SUPER BASS .



```
SOUND
■MTS:MAIN
■BASS          -10
■TREBLE          5
■BALANCE       R 2
■SURROUND:OFF
■SUPER BASS:OFF

■EXIT      USE      END MENU
```

3 Set SUPER BASS to ON.



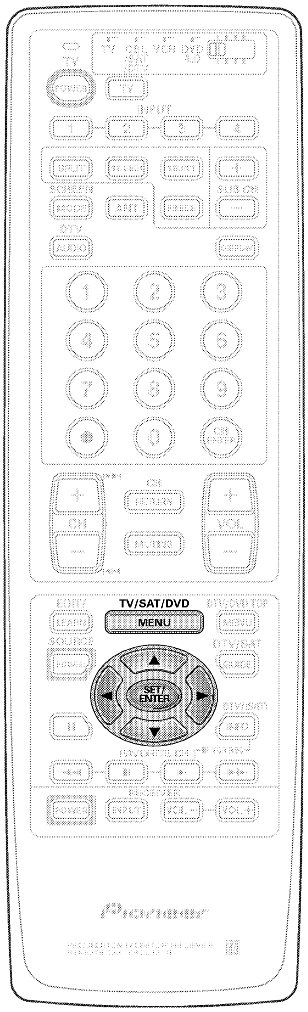
```
SOUND
■MTS:MAIN
■BASS          -10
■TREBLE          5
■BALANCE       R 2
■SURROUND:OFF
■SUPER BASS:ON OFF

■EXIT      USE      END MENU
```

4 After adjusting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

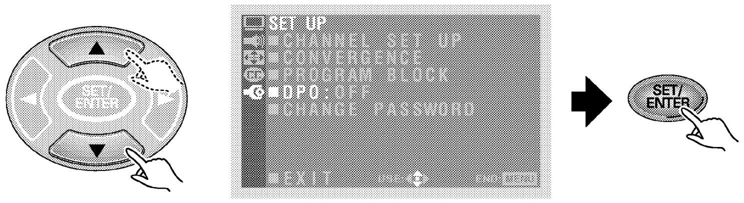
DPO FUNCTION


TV/SAT/DVD
MENU
SET/ENTER
Pioneer

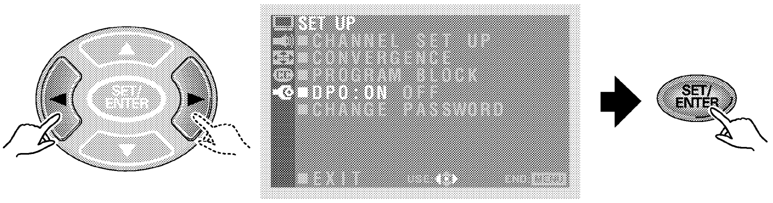
The sensor of the DPO (Dynamic Picture Optimizer) on the TV front panel determines brightness and adjusts the CONTRAST, BLACK LEVEL (brightness) and COLOR automatically.

1 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ENTER. (Refer to page 24.)

2 Select DPO in the same way.


SET/ENTER
SET UP
CHANNEL SET UP
CONVERGENCE
PROGRAM BLOCK
DPO:OFF
CHANGE PASSWORD
EXIT
SET/ENTER

3 Set DPO to ON.


SET/ENTER
SET UP
CHANNEL SET UP
CONVERGENCE
PROGRAM BLOCK
DPO:ON OFF
CHANGE PASSWORD
EXIT
SET/ENTER

4 After setting, press MENU to turn the menu off.

TV/SAT/DVD
MENU

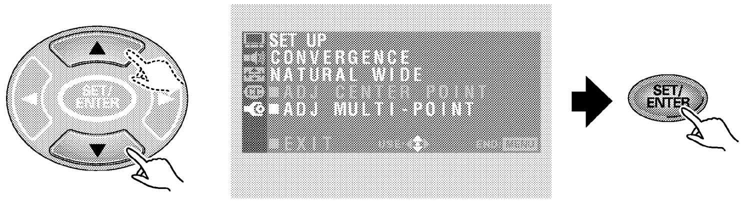
MULTI-POINT CONVERGENCE ADJUSTMENT

Convergence adjustment may be fined-tuned from here.

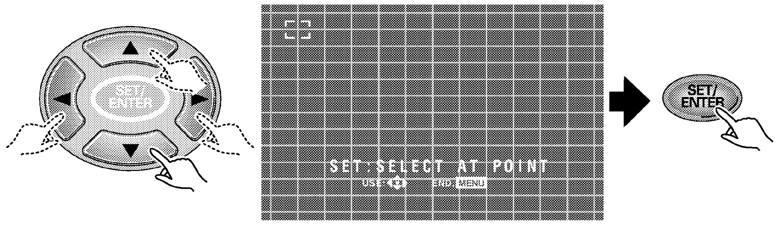
1 Press MENU and select SET UP by using the ▲ or ▼ button and then pressing SET/ ENTER. (Refer to page 24.)

2 Adjust the center point convergence. (Refer to steps 2 to 5 on pages 28 to 29.)

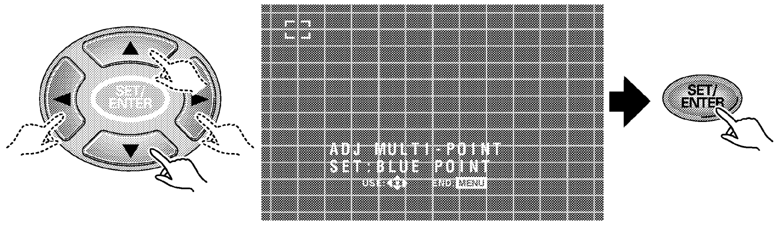
3 Select ADJ MULTI-POINT .

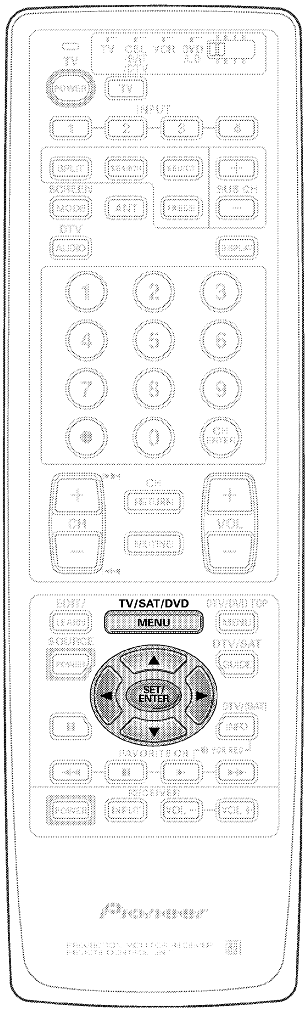

SET/ENTER
SET UP
CONVERGENCE
NATURAL WIDE
■ADJ CENTER POINT
■ADJ MULTI-POINT
■EXIT USE: END: MENU
SET/ENTER

4 Select the adjust point.


SET/ENTER
SET: SELECT AT POINT
USE: END: MENU
SET/ENTER

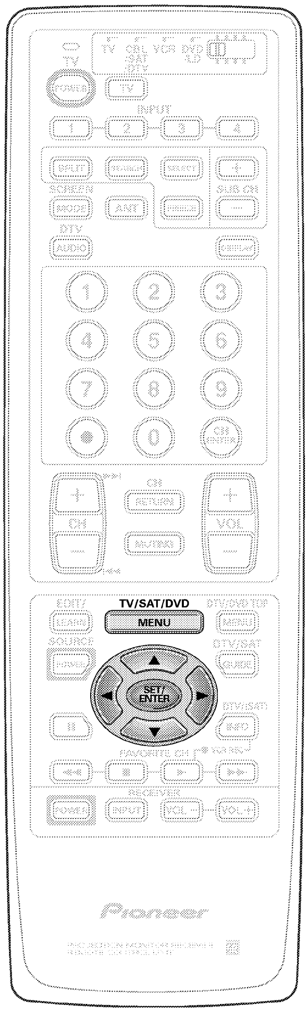
5 Adjust the red line.


SET/ENTER
ADJ MULTI-POINT
SET: BLUE POINT
USE: END: MENU
SET/ENTER

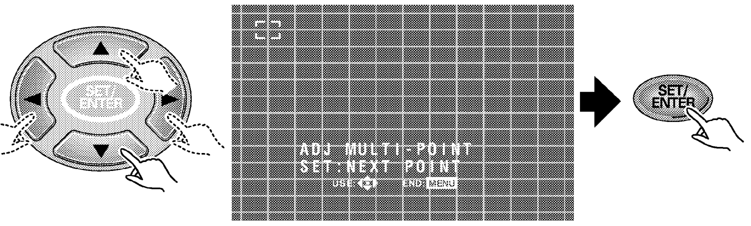

TV/SAT/DVD
MENU
SET/ENTER

NOTES:

- *The number of adjustment points varies according to the screen mode. The cursor is partially invisible around the edge of the screen according to the screen mode.*
- *It is not possible to adjust all these points (points of change on the cross-hatch).*
- *Some of the cross-hatch lines are not straight, but this is not a malfunction. They are not always straight on a normal TV.*


TV/SAT/DVD
MENU
SET/ ENTER
Pioneer

6 Adjust the blue line.


SET/ ENTER
ADJ MULTI-POINT
SET: NEXT POINT
USE: ◆ END: MENU
SET/ ENTER

- The brackets which shows the adjusting point will move in order.
  Move to the next point to be adjusted, and repeat steps 4 to 6.

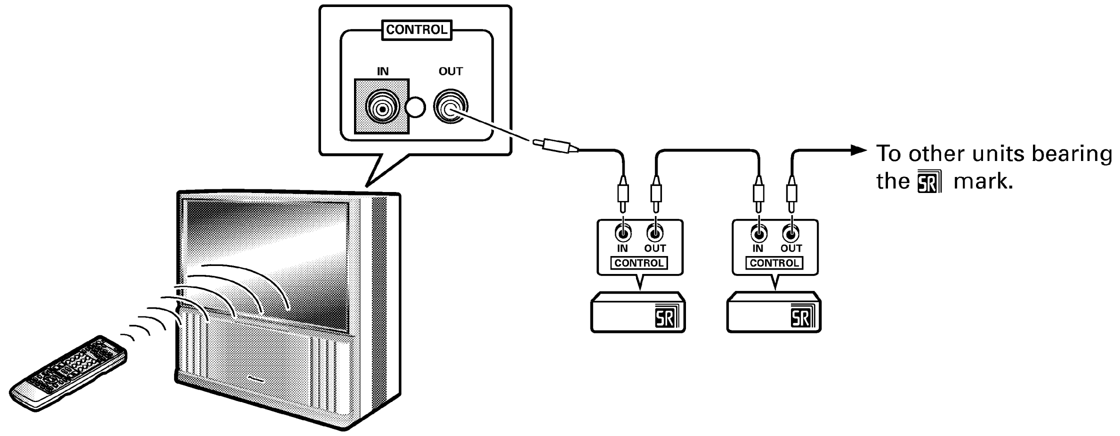
7 After completing the convergence adjustment, press MENU to turn the menu off.

TV/SAT/DVD
MENU

CONNECTING THE SYSTEM REMOTE CONTROL (When operating Pioneer units with SR mark)

When the control terminals of Pioneer audio/video units with the SR mark are connected, these units can be operated using the Monitor's remote control unit (see pages 64 to 69).

<Connect as shown>



To other units bearing the SR mark.

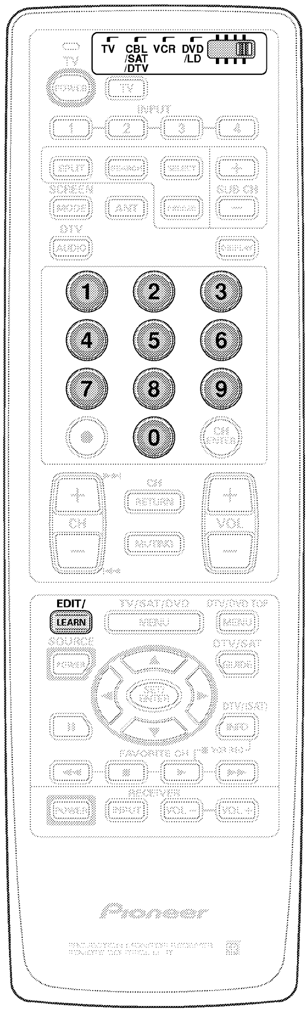
NOTES:

- *When the Pioneer unit with SR mark is connected to the CONTROL IN terminal of the projection monitor, the remote sensor of the projection monitor does not accept signals from the remote control unit. In this case, point the remote control at the first device in the chain (the equipment with no CONTROL IN connection).*
- *To connect the control cord, use the commercially available mini plug cord (monaural).*

REMOTE CODE SET UP

To operate other manufacturers' audio/video units using the TV remote control unit, remote control signals need to be set.
There are two methods of setting remote control signals

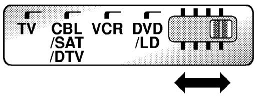
- For calling the other manufacturers' remote control signals preset to this remote control unit
- For learning other manufacturers' remote control signals



CALLING OTHER MANUFACTURERS' REMOTE CONTROL SIGNALS PRESET

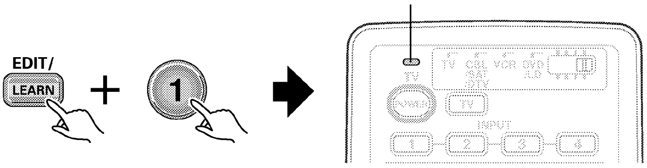
1 Set the mode switch to match the device to which you want to preset the remote control signal.

- Example: To select DVD/LD.



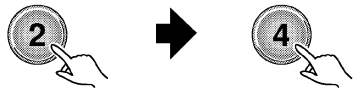
2 At the same time, press the EDIT button and number button 1.

LED will begin blinking.



3 Select the desired manufacturer.

- Select from the figure on page 61.
- Example: To select 24 (PHILIPS) in the LD mode.



- If the LED blinks rapidly when the number button has been pressed, there has been an error. Input the number again.
- After setting, you can automatically use the remote control in the usual manner.

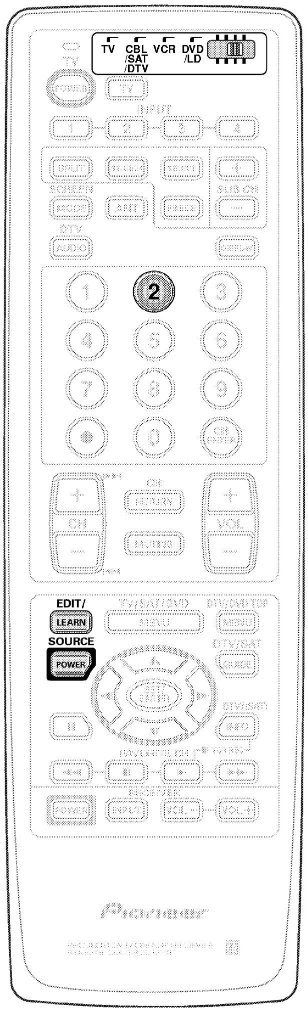
NOTES:

- *To stop the EDIT mode in the middle, press the EDIT button once more.*
- *If mode switch is switched while in EDIT mode, EDIT mode will be canceled.*
- *After step 1 and step 2, if you do not press the button for one minute (no operation), the EDIT mode will be canceled.*
- *If the table on page 61 does not include your desired manufacturer or the remote control does not work, you can make the memory learn its signal by the learn mode (see page 62).*
- *The initial mode is "00" (PIONEER).*

Manufacturer's preset remote control signals

	CBL/SAT/DTV	VCR	DVD/LD
00	PIONEER 1 (CABLE)	PIONEER	PIONEER (DVD)
01	PIONEER 2 (CABLE)	FISHER	PANASONIC (DVD)
02	JERROLD 1 (CABLE)	FISHER	SAMSUNG (DVD)
03	JERROLD 2 (CABLE)	FISHER	SONY (DVD)
04	JERROLD 3 (CABLE)	GOLD STAR	TOSHIBA (DVD)
05	JERROLD 4 (CABLE)	HITACHI	JVC (DVD)
06	JERROLD 5 (CABLE)	HITACHI 2	None
07	JERROLD 6 (CABLE)	HITACHI 3	None
08	JERROLD 7 (CABLE)	MAGNAVOX 2	None
09	JERROLD 8 (CABLE)	MITSUBISHI	None
10	JERROLD 9 (CABLE)	MITSUBISHI 2	None
11	JERROLD 10 (CABLE)	MITSUBISHI 3	None
12	S. A. 1 (CABLE)	MITSUBISHI 4	None
13	S. A. 2 (CABLE)	MITSUBISHI 5	None
14	S. A. 3 (CABLE)	MITSUBISHI 6	None
15	S. A. 4 (CABLE)	PANASONIC	None
16	ZENITH 1 (CABLE)	PANASONIC 2	None
17	ZENITH 2 (CABLE)	PANASONIC 3	None
18	ZENITH 3 (CABLE)	RCA	None
19	None	RCA 2	None
20	PIONEER (SAT)	RCA 3	PIONEER (LD)
21	RCA 1 (SAT)	SANYO	KENWOOD (LD)
22	RCA 2 (SAT)	SANYO 2	PANASONIC 1 (LD)
23	SONY (SAT)	SANYO 3	PANASONIC 2 (LD)
24	None	SHARP	PHILIPS (LD)
25	None	SHARP 2	RCA (LD)
26	None	SHARP 3	SONY (MDP)
27	None	SONY (BETA)	SONY (LD)
28	None	SONY (VHS)	None
29	None	SONY (8mm)	None
30	PIONEER (DTV)	TOSHIBA	None
31	SHARP (DTV)	JVC	None
32	None	JVC 2	None
33	None	JVC 3	None
34	None	JVC 4	None
35	None	JVC 5	None
36	None	ZENITH	None

Operations can be performed using remote control button with the same markings (See pages 65 to 69).


TV
CBL/SAT/DTV
VCR
DVD/LD
2
EDIT/
LEARN
SOURCE
POWER

TO LEARN REMOTE CONTROL SIGNALS

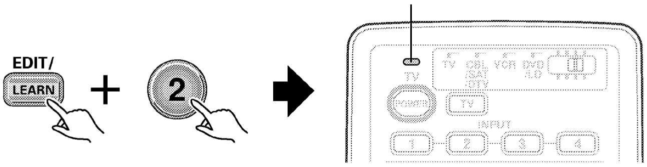
To operate other manufacturers' remote control signals not preset using the remote control unit, have the remote control unit learn these signals.

Example) To learn the VCR power to turn on.

Before operation:
To set the mode switch to VCR when a video cassette recorder is connected (see page 14).

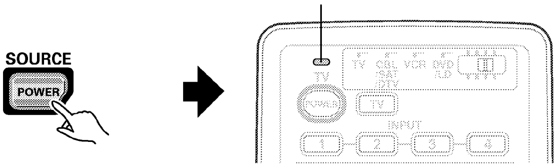
1 At the same time, press the LEARN button and number button 2.

LED will begin blinking.


EDIT/
LEARN
+
2

2 Press the SOURCE POWER button to memorize the desired operation.

LED will remain lit.


SOURCE
POWER

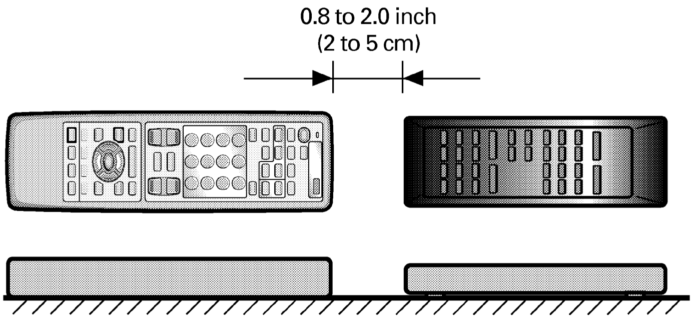
- Buttons which can be learnt are as follows.
  - **CABLE** .... SOURCE POWER, CH (+), CH (–), CH RETURN, CH ENTER, 1 to 9, 0
  - **SAT** .... SOURCE POWER, CH (+), CH (–), ◄, ►, ▲, ▼, SET/ENTER, TV/SAT/DVD MENU, DTV/SAT GUIDE, DTV/(SAT) INFO, CH ENTER, 1 to 9, 0
  - **DTV** .... SOURCE POWER, BLUE, GREEN, RED, YELLOW, ◄, ►, ▲, ▼, SET/ENTER, DTV/DVD TOP MENU, CH (+), CH (–), 1 to 9, 0, CH ENTER, • (DOT), SCREEN MODE, DTV AUDIO, CH RETURN, DTV (SAT) INFO, DTV/SAT GUIDE, ANT
  - **VCR** .... SOURCE POWER, CH (+), CH (–), II, ◄◄, ■, ►, ►►, ● (VCR REC)
  - **DVD** .... SOURCE POWER, ►►I, I◄◄, II, ◄◄, ■, ►, ►►, ◄, ►, ▲, ▼, SET/ENTER, TV/SAT/DVD MENU, DTV/DVD TOP MENU
  - **LD** .... SOURCE POWER, ►►I, I◄◄, II, ◄◄, ■, ►, ►►
- CABLE/SAT/DTV and DVD/LD cannot be selected at the same time.

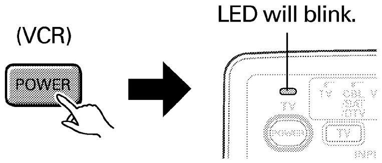
NOTES:

- *To stop using the LEARN mode in the middle, press the LEARN button again.*
- *If mode switch is switched while in LEARN mode, LEARN mode will be canceled.*
- *After steps 1 and 2, if you do not press the button for one minute (no operation), the LEARN mode will be canceled.*
- *To reset the learn setting, have the LED blinking as in step 1 and then keep the remote control unit's TV POWER button pressed for at least 2 seconds.*
- *There are some remote controls which cannot learn.*

3 Face the remote control unit of the other manufacturer's and the remote control unit of the Monitor to each other, and press the POWER button of the remote control unit of the other manufacturer's.

Leave about 0.8 to 2.0 inch (2 to 5 cm) between the two remote control units.
If you learn how to use the remote control unit you can adjust the distance of the remote control units.

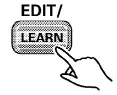


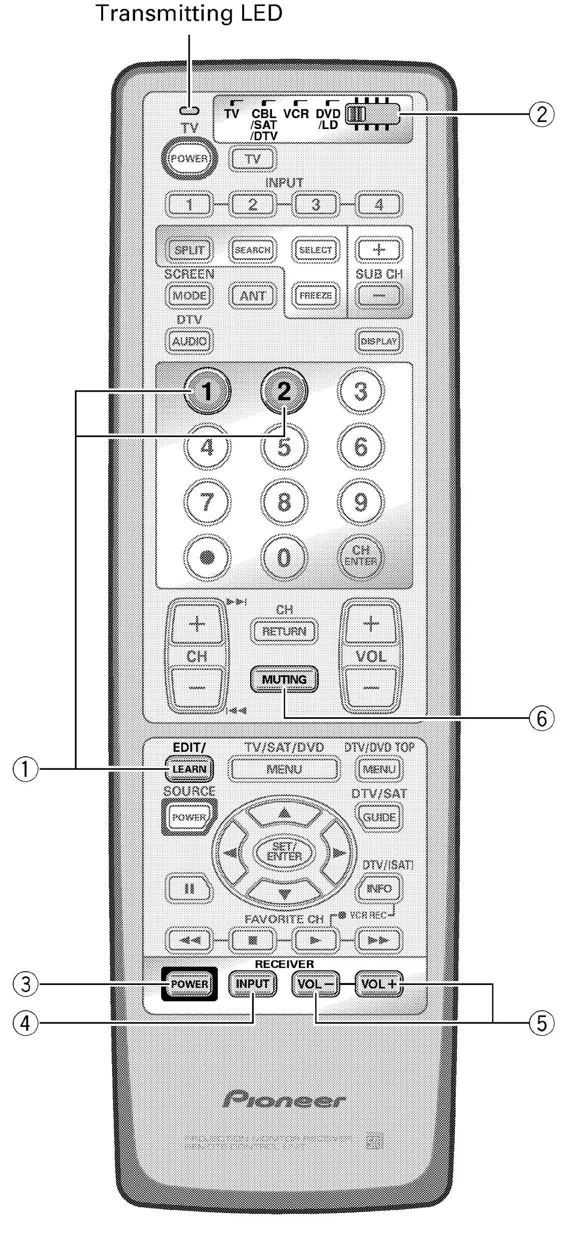


- If blinks once, return to step 2 for other buttons.
- Flashes four times, it indicates an error has occurred.

- This ends learn.
  Repeat steps 2 and 3 for learning pertaining to other VCR devices.
- If the remote control unit's LED blink four times, it means that learning capacity has reached its maximum and no more learning will be possible.

4 When the LEARN button is pressed, the remote control unit return to normal states.





USING THE TV REMOTE CONTROL UNIT TO CONTROL OTHER DEVICES

REMOTE CONTROL UNIT SETTING BUTTONS

① **EDIT/LEARN button**

EDIT: When the EDIT/LEARN button is pressed at the same time as number button 1, the mode will change to preset code edit mode. (See page 60.)

LEARN: When the EDIT/LEARN button is pressed at the same time as number button 2, the unit's capability to learn and store command codes from other remote control units will be activated. (See page 62.)

② **Mode switch**
Use to switch the remote control unit modes.

RECEIVER CONTROL BUTTONS

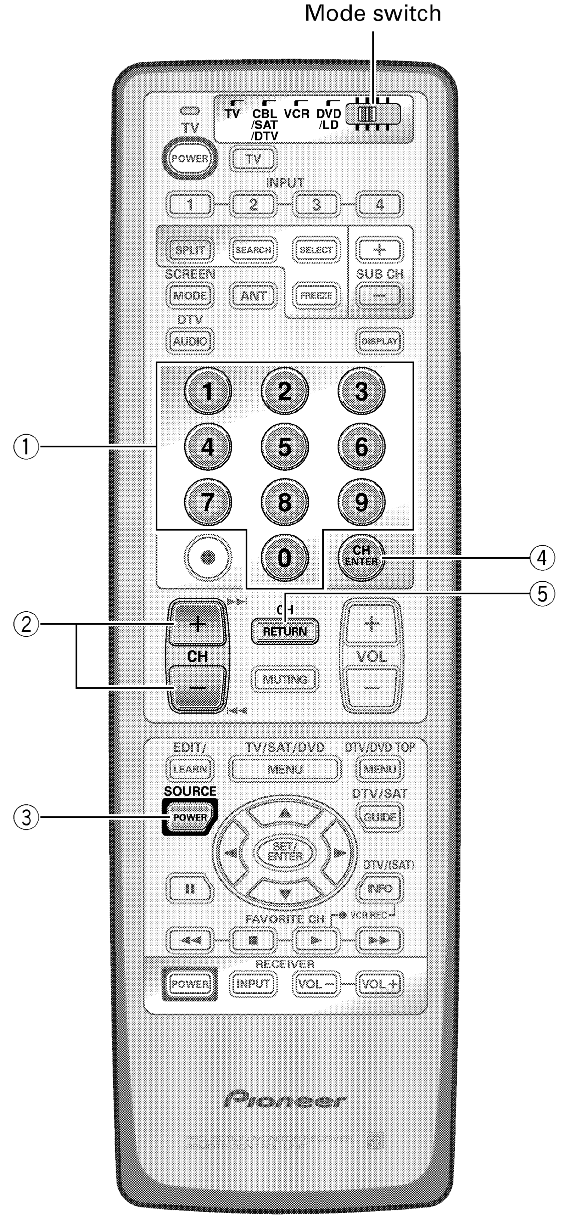
When a Pioneer receiver is connected to the Monitor, the receiver can be operated using buttons ③ to ⑤.
When another company's receiver is connected to the Monitor, have the signals for ③ to ⑤ learned (see page 62).

③ **RECEIVER POWER button (STANDBY/ON)**
Turns receiver power on and off.

④ **RECEIVER INPUT button**
Selects the input source connected to the receiver.

⑤ **RECEIVER VOL (volume) +, - buttons**
Adjusts receiver volume level.
Press the plus button (+) to increase the volume and the minus button (-) to decrease it.

⑥ **(RECEIVER) MUTING button**
Allows the receiver's mute signal to be learned.
This button is used when the mode switch has been set to something other than TV.


Mode switch
TV
CBL /SAT /DTV
VCR
DVD /LD
POWER
TV
INPUT
1
2
3
4
SPLIT
SEARCH
SELECT
SCREEN
MODE
ANT
FREEZE
SUB CH
DTV
AUDIO
DISPLAY
0
CH ENTER
CH
RETURN
VOL
MUTING
EDIT/ LEARN
TV/SAT/DVD MENU
DTV/DVD TOP MENU
SOURCE POWER
DTV/SAT GUIDE
SET/ ENTER
DTV/(SAT) INFO
FAVORITE CH
VCR REC
RECEIVER
POWER
INPUT
VOL –
VOL +
Pioneer
①
②
③
④
⑤

CABLE CONTROL BUTTONS

CABLE, SAT and DTV cannot be selected at the same time.

When the mode switch is set to CBL/SAT/DTV the cable converter connected to the Monitor can be operated using the buttons ① to ⑤.
Cable converters which are made by other makers and are not preset can also be operated using the remote control unit if buttons ① to ⑤ have learnt the functions (see page 62).

① **Direct channel selection buttons**
Press the button (or buttons) that corresponds to the channel that you wish to watch.

② **CH (channel) +, – buttons**
Press plus (+) or minus (–) to tune in a higher or lower channel.

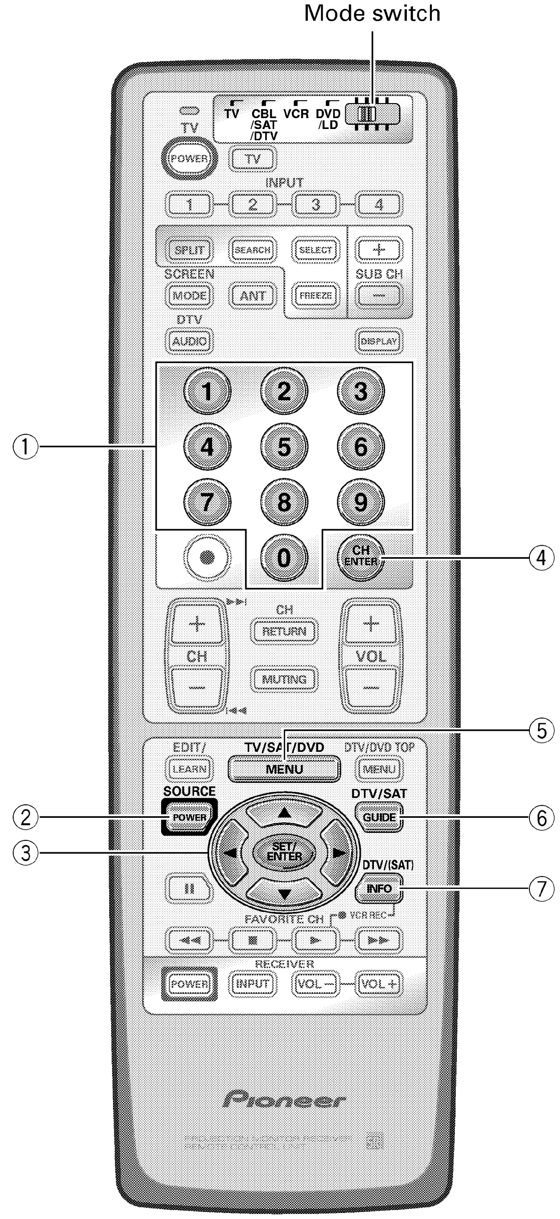
③ **SOURCE POWER button**
Turns the power of the cable converter on and off.

④ **CH ENTER button** *
Fix the selected channel with the direct channel selection buttons.

⑤ **CH RETURN (channel return) button** *
Press to switch between the current channel and the channel you were watching immediately before.

* Some manufacturers do not preset CH ENTER and CH RETURN. Use these buttons to learn if necessary.

SAT CONTROL BUTTONS


Mode switch
TV
TV CBL/SAT/DTV VCR DVD/LD
POWER
TV
INPUT
1
2
3
4
SPLIT
SEARCH
SELECT
SCREEN
MODE
ANT
FREEZE
SUB CH
DTV
AUDIO
DISPLAY
1
2
3
4
5
6
7
8
9
0
CH ENTER
CH
RETURN
CH
VOL
MUTING
EDIT/LEARN
TV/SAT/DVD MENU
DTV/DVD TOP MENU
SOURCE
POWER
DTV/SAT GUIDE
SET/ENTER
DTV/(SAT) INFO
FAVORITE CH
VCR REC
RECEIVER
POWER
INPUT
VOL –
VOL +
Pioneer
①
②
③
④
⑤
⑥
⑦

CABLE, SAT and DTV cannot be selected at the same time.

When SAT is preset by REMOTE CODE SET UP, the remote control unit buttons will function as shown below.

- When a satellite broadcast tuner is connected to the Monitor, press the input selector button that has the same number as the connected input terminal and set the mode switch to CBL/SAT/DTV.
  The tuner can be operated using buttons ① to ⑦.
- Satellite broadcast tuners which are made by other makers and are not preset can also be operated with the remote control unit if buttons ① to ⑦ have learnt the functions (see page 62).

① **Direct channel selection buttons**
Press the button (or buttons) that corresponds to the channel that you wish to watch.

② **SOURCE POWER button**
Turns the power of the SAT (digital satellite system tuner) on and off.

③ **Select/Set buttons (SET/ENTER, ◄, ►, ▲, ▼)**
◄, ►, ▲, ▼: Press the button to select items on the SAT GUIDE screen or SAT MENU screen.
SET/ENTER: Press to activate the selected function.

④ **CH ENTER button**
Fix the selected channel with the direct channel selection buttons.

- Use this button to learn if necessary.

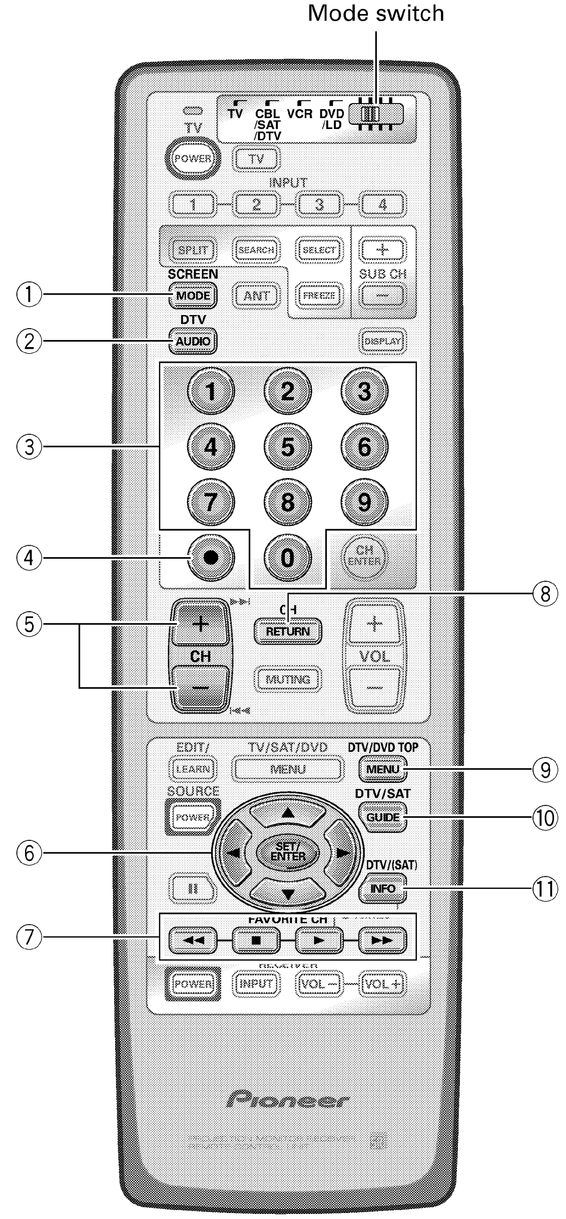
⑤ **SAT MENU button**
When this button is pressed, the satellite broadcasting menu screen will be displayed.

⑥ **SAT GUIDE button**
When this button is pressed, the satellite broadcasting guide screen will be displayed.

⑦ **SAT INFO button**
When this button is pressed, information on satellite broadcasting will be displayed.

- Use this button to learn if necessary.

DTV CONTROL BUTTONS


Mode switch
TV
CBL/SAT/DTV
VCR
DVD/LD
POWER
INPUT
SPLIT
SEARCH
SELECT
SCREEN
MODE
ANT
FREEZE
SUB CH
DTV
AUDIO
DISPLAY
CH ENTER
CH RETURN
CH
VOL
MUTING
EDIT/LEARN
TV/SAT/DVD MENU
DTV/DVD TOP MENU
SOURCE
DTV/SAT GUIDE
SET/ENTER
DTV/(SAT) INFO
FAVORITE CH
RECEIVER
VOL−
VOL+
Pioneer
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪

CABLE, SAT and DTV cannot be selected at the same time.

When a digital tuner is connected to the Monitor, set the mode switch to CBL/SAT/DTV. The tuner can be operated using buttons ① to ⑪.

① **SCREEN MODE button**
Press to select the SCREEN MODE.

② **DTV AUDIO button**
Press to select the audio mode during multiaudio broadcasts.

③ **Direct channel selection buttons**
Press the button (or buttons) that corresponds to the channel that you wish to watch.

④ **● button**
Used in channel selection.

⑤ **CH (channel) +, – button**
Press plus (+) or minus (–) to tune in a higher or lower channel.

⑥ **Select/Set buttons (SET/ENTER, ◄, ►, ▲, ▼)**
◄, ►, ▲, ▼: Press the button to select items on the DTV MENU screen.
SET/ENTER: Press to activate the selected function.

⑦ **FAVORITE CH/Colored (blue, green, red and yellow) buttons**
FAVORITE CH: Used for making FAVORITE CH settings with the digital tuner.
Blue, Green, Red, Yellow: Used to make selections from the digital tuner menu.

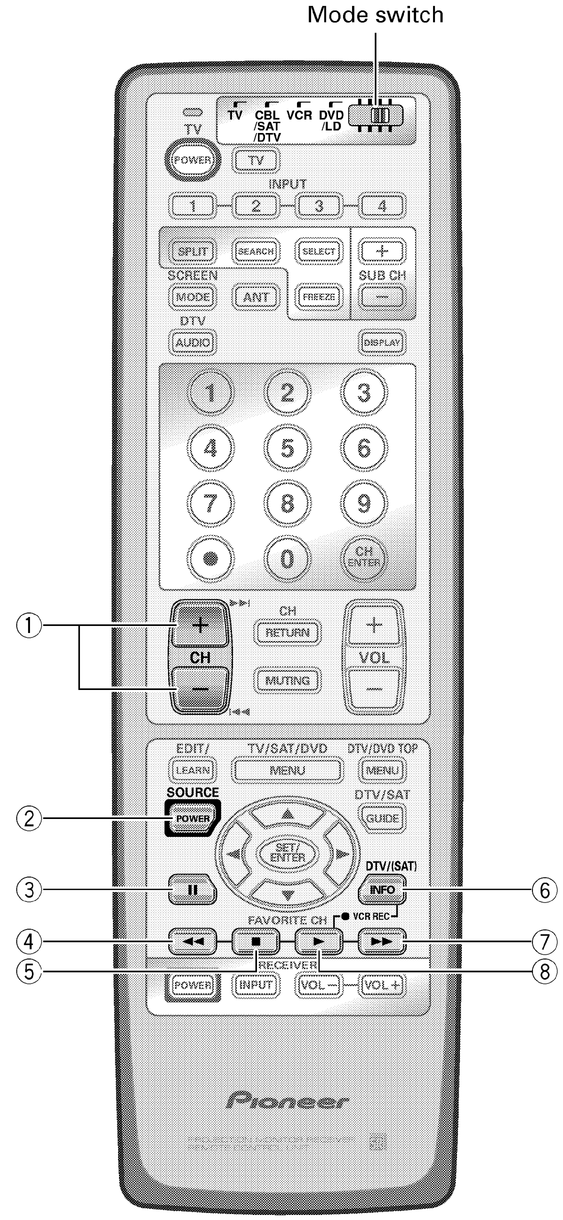
⑧ **CH RETURN (channel return) button**
Press to switch between the current channel and the channel you were watching immediately before.

⑨ **DTV MENU button**
When this button is pressed, the DTV menu screen will be displayed.

⑩ **DTV GUIDE button**
When this button is pressed, the DTV guide screen will be displayed.

⑪ **DTV INFO button**
When this button is pressed, information on DTV will be displayed.

VCR CONTROL BUTTONS


Mode switch
TV
CBL /SAT /DTV
VCR
DVD /LD
POWER
INPUT
SPLIT
SEARCH
SELECT
SCREEN
MODE
ANT
FREEZE
SUB CH
DTV
AUDIO
DISPLAY
CH ENTER
CH
RETURN
MUTING
VOL
EDIT/ LEARN
TV/SAT/DVD MENU
DTV/DVD TOP MENU
SOURCE POWER
DTV/SAT GUIDE
SET/ ENTER
DTV/(SAT) INFO
FAVORITE CH
● VCR REC
RECEIVER
INPUT
VOL–
VOL+
Pioneer
①
②
③
④
⑤
⑥
⑦
⑧

If the VCR is preset by REMOTE CODE SET UP, the remote control unit button will function as follows when the mode switch of the remote control unit is set to VCR.

When the input selector button having the same number as the input terminal connecting the VCR is pressed, the VCR can be operated using buttons ① to ⑧.

VCR which are made by other makers and are not preset can also be operated using the remote control unit if buttons ① to ⑧ have learnt the functions (see page 62).

① **CH (channel) +, – buttons**
Press to select the channel of the TV tuner on the VCR.

② **SOURCE POWER button**
Turns the power of the VCR on and off.

③ **II (PAUSE/STILL) button**
Set pauses and still pictures.

④ **◄◄ (REW) button**
Rewinds the tape and allows picture search.

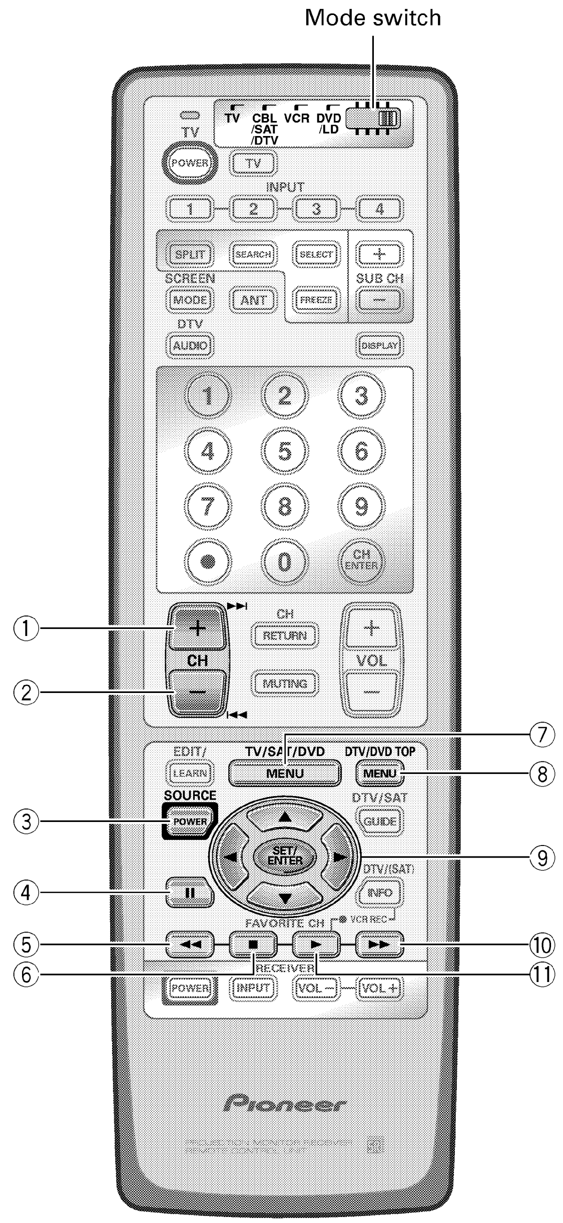
⑤ **■ (STOP) button**
Stop the tape transport.

⑥, ⑧ **VCR REC (record) button**
Press both buttons at the same time to start recording.

⑦ **►► (FF) button**
Rapidly advances the tape and allows picture search.

⑧ **► (PLAY) button**
Selects playback.

DVD/LD CONTROL BUTTONS


Mode switch
TV
CBL /SAT /DTV
VCR
DVD /LD
POWER
INPUT
1
2
3
4
SPLIT
SEARCH
SELECT
SCREEN
MODE
ANT
FREEZE
SUB CH
DTV
AUDIO
DISPLAY
CH ENTER
CH
RETURN
MUTING
VOL
EDIT/ LEARN
TV/SAT/DVD MENU
DTV/DVD TOP MENU
SOURCE POWER
DTV/SAT GUIDE
SET/ ENTER
DTV/(SAT) INFO
FAVORITE CH
VCR REC
RECEIVER
INPUT
VOL−
VOL+
Pioneer
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪

DVD and LD cannot be selected at the same time.

If the DVD/LD is preset by REMOTE CODE SET UP, the remote control unit button will function as follows when the mode switch of the remote control unit is set to DVD/LD.
When the input selector button having the same number as the input terminal connecting a DVD player or LD player is pressed, these players can be operated using buttons ① to ⑪ (buttons ⑦ to ⑨ are for DVD players only).
DVD player/LD player which are made by other makers and are not preset can also be operated using the remote control unit if buttons ① to ⑪ have learnt the functions (see page 62).

① **►►I (CHAPTER SEARCH) button**
Pressing quickly once takes you to the start of the next chapter. Each time you press it, you move ahead to the start of the next chapter.

② **I◄◄ (CHAPTER SEARCH) button**
Pressing quickly once takes you to the start of the chapter currently playing. Each time you press it, you move back to the start of the previous chapter.

③ **SOURCE POWER button**
Turns the power of the DVD/LD player on and off.

④ **II (PAUSE/STILL) button**
Set pauses and still pictures.

⑤ **◄◄ (SCAN) button**
Continue pressing to rewind.

⑥ **■ (STOP) button**
Playback is stopped when pressing once.
With some DVD/LD players, pressing the button twice may open the disc tray.

⑦ **DVD MENU button (DVD only)**
When this button is pressed, the DVD menu will be displayed.

⑧ **DVD TOP MENU button (DVD only)**
When this button is pressed, the DVD top menu will be displayed.

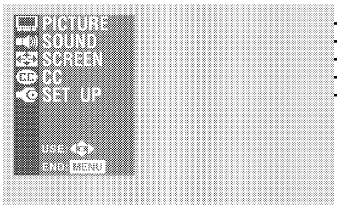
⑨ **Select/Set buttons (SET/ENTER, ◄, ►, ▲, ▼) (DVD only)**
◄, ►, ▲, ▼: Press the button to select items on the DVD MENU screen.
SET/ENTER: Press to activate the selected function.

⑩ **►► (SCAN) button**
Continue pressing for fast forward.

⑪ **► (PLAY) button**
Selects playback.

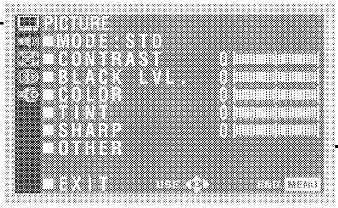
MENU INDEX

Main menu (See page 24)

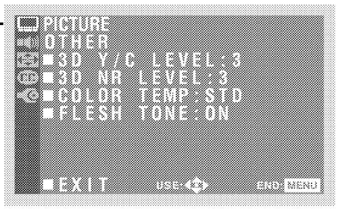


PICTURE
SOUND
SCREEN
CC
SET UP
USE:
END: MENU

PICTURE adjustment menu (See page 46)

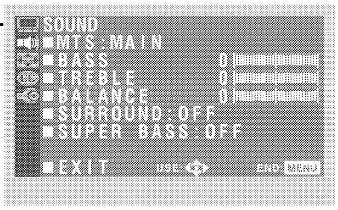


PICTURE
■MODE:STD
■CONTRAST 0
■BLACK LVL. 0
■COLOR 0
■TINT 0
■SHARP 0
■OTHER
■EXIT USE: END: MENU



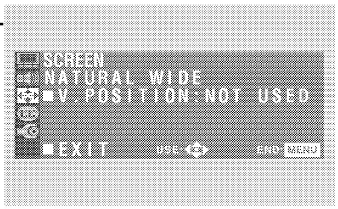
PICTURE
OTHER
■3D Y/C LEVEL:3
■3D NR LEVEL:3
■COLOR TEMP:STD
■FLESH TONE:ON
■EXIT USE: END: MENU

SOUND adjustment menu (See page 52)



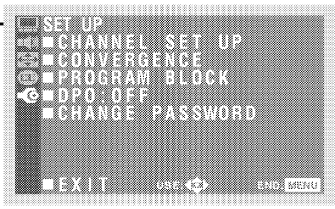
SOUND
■MTS:MAIN
■BASS 0
■TREBLE 0
■BALANCE 0
■SURROUND:OFF
■SUPER BASS:OFF
■EXIT USE: END: MENU

SCREEN setting menu (See page 37)



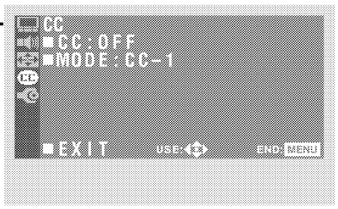
SCREEN
NATURAL WIDE
■V.POSITION:NOT USED
■EXIT USE: END: MENU

SET UP menu (See page 26)



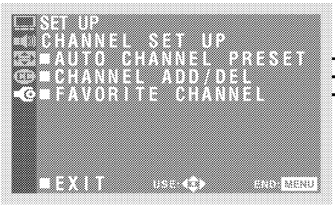
SET UP
■CHANNEL SET UP
■CONVERGENCE
■PROGRAM BLOCK
■DPO:OFF
■CHANGE PASSWORD
■EXIT USE: END: MENU

Closed Caption menu (See page 40)



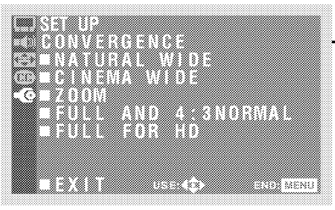
CC
■CC:OFF
■MODE:CC-1
■EXIT USE: END: MENU

CHANNEL SET UP menu (See page 26)

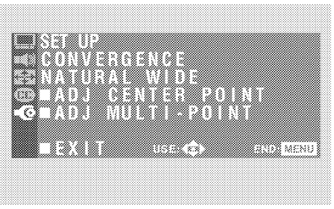


SET UP
CHANNEL SET UP
■AUTO CHANNEL PRESET
■CHANNEL ADD/DEL
■FAVORITE CHANNEL
■EXIT USE: END: MENU

CONVERGENCE menu (See pages 28 and 57)

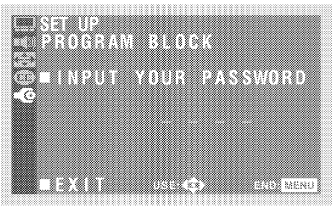


SET UP
CONVERGENCE
■NATURAL WIDE
■CINEMA WIDE
■ZOOM
■FULL AND 4:3NORMAL
■FULL FOR HD
■EXIT USE: END: MENU



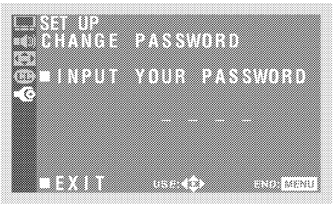
SET UP
CONVERGENCE
NATURAL WIDE
■ADJ CENTER POINT
■ADJ MULTI-POINT
■EXIT USE: END: MENU

PROGRAM BLOCK menu (See page 31)



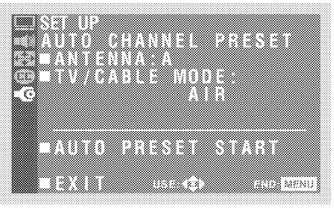
SET UP
PROGRAM BLOCK
■INPUT YOUR PASSWORD
- - - -
■EXIT USE: END: MENU

CHANGE PASSWORD menu (See page 34)



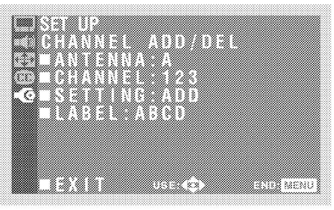
SET UP
CHANGE PASSWORD
■INPUT YOUR PASSWORD
- - - -
■EXIT USE: END: MENU

AUTO CHANNEL PRESET menu (See page 26)



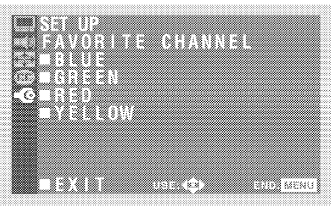
SET UP
AUTO CHANNEL PRESET
■ANTENNA:A
■TV/CABLE MODE:
AIR
■AUTO PRESET START
■EXIT USE: END: MENU

CHANNEL ADD/DEL menu (See page 41)



SET UP
CHANNEL ADD/DEL
■ANTENNA:A
■CHANNEL:123
■SETTING:ADD
■LABEL:ABCD
■EXIT USE: END: MENU

FAVORITE CHANNEL menu (See page 44)



SET UP
FAVORITE CHANNEL
■BLUE
■GREEN
■RED
■YELLOW
■EXIT USE: END: MENU

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with the Monitor, check the points below. Sometimes the trouble may lie in another component. Investigate the other component and electrical appliances being used.

If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

SYMPTOM	CAUSE/REMEDY	PAGES
The power will not turn on	The power plug is disconnected. The MAIN POWER switch is not turned on.	**10** **10**
The Monitor is inoperative	Press the RETURN button. External influences such as lightning and static electricity may prevent the Monitor from operating normally. In such cases, turn on/off the MAIN POWER supply, disconnect the power cord, connect it again a few minutes later, and try operating the Monitor.	**18**
A TV broadcast station cannot be received	The antenna cable is not connected properly. The antenna cable is broken or shorted. Channels have not been preset correctly.	**12** **26**
No picture appears on the screen	The DVD/LD player or VCR is not connected and operated properly. The input selector has not been set to the desired input source (such as DVD/LD player and VCR).	**14**
No sound	The MUTING button has been on (volume indicator becomes red).	**23**
The Monitor cannot be operated using the remote control unit	The batteries in the battery compartment are not correctly matching the (+ and –) polarities. The battery has worn out. Strong lights striking the remote control sensor may cause the internal microcomputer to malfunction.	**11** **11**
The color is not normal **The color is too dim or too sharp** **The color is uneven**	Adjust the picture quality. The room is too bright. Adjust the color convergence.	**48** **28 and 57**
Picture does not appear immediately after changing channels	TV-CATV MODE is set incorrectly.	**26**
Closed caption is not displayed	Check the CC menu settings. (As at October 1, 1999, limited closed caption information is broadcasted in field 1. The closed caption information that will be broadcasted in field 2 in the future may not be decoded with this unit). The character information is not displayed normally during special playback, such as slow and still play, of the VCR or Videodisc player. Closed caption signal may not be output depending on the VCR, Videodisc player or other components (for details, please consult the manufacturer of your unit). Check that the video cassette, Videodisc or broadcasting being played contains closed caption data (The video cassette and Videodisc containing closed caption data carries the CC mark etc.).	

The following symptoms may be mistakenly regarded as malfunctioning.
In many cases, they are not the faults of the Monitor.

SYMPTOM	CAUSE
When there are 2 or 3 layers of images (ghost phenomenon)	Influence of waves from the broadcast stations reflected by nearby mountains and high-rise buildings.
Spots appears on the screen **Noises are audible**	Influence of harmful waves produced by motor equipments such as hair dryers and vacuum cleaners, ignition devices such as cars and motorbikes, flashing devices such as thermostats and electricity discharge by transmission/distribution lines.
Stripes appears on the screen **Noises are audible**	Mixing of electric waves from TV stations FM stations, amateur wireless, public wireless (simple wireless), etc., or nearby personal computer, TV, VCR, audio equipment.
When a crack sound is heard some time after the power is turned on	Sometimes, creaking sounds will be produced when cabinets expand or contract due to changes in the surrounding temperature. Do not suspect a fault.
The power goes off momentarily, after a sudden pop sound	The power was turned off momentarily due to the protection circuit to correct the electric discharge phenomenon in the CRT. Do not suspect fault.

SPECIFICATIONS

Display and amplifier section

Reception system .... American TV standard NTSC system
Screen size .... 58" (SD-582HD5)
53" (SD-532HD5)
CRT .... 7" High focus CRT x 3
Brightness (White peak) .... 480 Foot-Lambert (SD-582HD5)
580 Foot-Lambert (SD-532HD5)
[White window signal input contrast Max.]
without protective screen
Horizontal resolution ...... More than 1000 lines (SD-582HD5)
More than 1000 lines (SD-532HD5)
[Input digital test pattern (1000 lines resolution)]
Input terminals .... 4 video inputs
4 S-VIDEO input jacks (Y/C separate INPUT)
2 COMPONENT VIDEO INPUT jacks (Y, PB, PR)
4 audio inputs
Mini D-sub 15 pin INPUT jack (RGB)
Output terminals .... MONITOR
Input terminal signal ratings
  Input signal
    Video signal:
      Composite and S-VIDEO (Y): 1.0 Vp-p (75 ohms load)
      COMPONENT (Y): 1.0 Vp-p (75 ohms load)
      (PB, PR): 0.7 Vp-p (75 ohms load)
      Mini D-sub 15 pin (RGB): 0.7 Vp-p (75 ohms load)
    Audio signal (including CENTER): 400mV rms
  Input impedance .... Video input: 75 ohms
Audio input (including CENTER): 22 kilo-ohms
or more
  Input signal polarity (Video) .... Synchronized negative
Output terminal signal ratings
  Output signal .... Video signal: 1 Vp-p (75 ohms load)
Audio signal: 500 mV rms (100 % modulation)
  Output impedance .... Video output: 75 ohms
Audio output: Less than 1 kilo-ohms
Effective output
Front both channels driven .... 10 W + 10 W
(THD. 1 % 1 kHz, 8 ohms)
Built-in speaker system .... 16 cm (6-5/16 in) full range x 2

Tuner section

Circuit type .... Video signal detection:
PLL full synchronous detection
PLL digital synthesizer system
Audio multiplex: BTSC system
Reception channels .... VHF; CH2~CH13, UHF; CH14~CH69
CATV (STANDARD, IRC or HRC)
CATV 1-125 CH
Antenna terminals
.... Antenna terminal, 75 ohms UNBAL,
F-type connector (VHF, UHF MIXED)

Electrical section, miscellaneous

Power requirements .... 120 V AC, 60 Hz
Power consumption .... 310 W, 575 VA (CSA)
External dimensions
  SD-582HD5 .... 1378 (W) x 661 (D) x 1351 (H) mm
54-1/4 (W) x 26 (D) x 53-3/16 (H) inch
  SD-532HD5 .... 1268 (W) x 626 (D) x 1289 (H) mm
49-15/16 (W) x 24-11/16 (D) x 50-3/4 (H) inch

Weight of main unit
  SD-582HD5 .... 131 kg (289 lb 3 oz)
  SD-532HD5 .... 121 kg (267 lb 2 oz)

Wireless remote control unit

Operation system .... Infrared remote control system
Power source .... Two DURACELL ®"AA" MN1500 1.5 V
ALKALINE dry cell batteries
Dimensions .... 66 (W) x 24.6 (H) x 226.5 (D) mm
2-19/32 (W) x 31/32 (H) x 8-29/32 (D) inch
Weight .... 170 g (4 oz) (without batteries)

Accessories

Operating instructions 1
Warranty card 1
Remote control unit 1
DURACELL® "AA" MN1500 1.5V
Alkaline dry cell batteries 2

NOTE:
Specifications and design are subject to possible modifications without notice due to improvements.

Should this product require service in the U.S.A. and you wish to locate the nearest Pioneer Authorized Independent Service Company, or if you wish to purchase replacement parts, operating instructions, service manuals, or accessories, please call the number shown below.

800–421–1404

Please do not ship your product to Pioneer without first calling the Customer Service Department at the above listed number for assistance.

PIONEER ELECTRONICS SERVICE, INC.
CUSTOMER SERVICE DEPARTMENT
P.O. BOX 1760, LONG BEACH,
CA 90801-1760, U.S.A.

For warranty information please see the Limited Warranty sheet included with your product.

Should this product require service in Canada, please contact a Pioneer Canadian Authorized Dealer to locate the nearest Pioneer Authorized Service Company in Canada.
Alternatively, please contact the Customer Service Department at the following address:

Pioneer Electronics of Canada, Inc.
Customer Service Department
300 Allstate Parkway, Markham, Ontario
L3R 0P2
(905) 479-4411
1-877-283-5901

For warranty information please see the Limited Warranty sheet included with your product.

Si ce produit doit être réparé au Canada, veuillez vous adresser à un distributeur autorisée Pioneer au Canada pour obtenir le nom de la Société de Service Autorisée Pioneer le plus près de chez vous. Ou encore, veuillez vous communiquer avec le Service de Clientèle de Pioneer:

Pioneer électroniques du Canada, Inc.
Département de service au consommateurs
300 Allstate Parkway, Markham, Ontario
L3R 0P2
(905) 479-4411
1-877-283-5901

Pour obtenir des renseignements sur la garantie, veuillez vous reporter au feuillet sur la Garantie Limitée gui accompagne le produit.

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